

**Annual Ground Water  
And Soil Vapor Monitoring Report  
September 2008**

**Revonak Dry Cleaners  
NYSDEC Site No. 356021**

**Prepared for:**

**New Paltz Plaza Properties, L.P.  
257 Mamaroneck Avenue  
White Plains, New York 10605**

**Prepared by:**

**Alpha Geoscience  
679 Plank Road  
Clifton Park, New York 12065**

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## **1.0 INTRODUCTION**

This report presents the results of the ground water samples collected on September 25, 2008 for annual ground water monitoring and soil vapor sampling at the former Revonak Dry Cleaner site in New Paltz, Ulster County, New York (the “site”). The report also includes the analytical results of the September 2008 ground water samples collected from six of the wells to monitor the effects of the injection of hydrogen releasing compounds (HRC) in September 2006. The samples were collected in accordance with the procedures presented in the NYSDEC-approved, May 14, 2001, Revised Ground Water Monitoring Plan and the NYSDEC-approved Expanded HRC Injection Plan, dated December 2, 2005.

Ground water samples were collected from nine unconsolidated and three bedrock monitoring wells in September 2008. Well MW-3 appeared to contain HRC during this sampling event, and was not sampled. Ground water samples were submitted for analysis of volatile organic compounds (VOCs) by EPA Method 8260B. Ground water samples from six of the unconsolidated monitoring wells (MW-2, MW-6, MW-9, MW-10, MW-11, and MW-12) were also analyzed for HRC-indicator parameters. Soil vapor samples were collected on September 25, 2008 from soil vapor wells SV-1 and SV-2 in accordance with the sampling schedule contained in the December 2, 2005 Expanded HRC Injection Plan. These samples were analyzed for volatile organic compounds by Method TO-15A.

## **2.0 SOIL VAPOR AND GROUND WATER SAMPLING**

### **2.1 Groundwater Sampling**

Ground water samples were collected from overburden wells MW-1, MW-2, MW-4, MW-6, MW-7, MW-9, MW-10, MW-11 and MW-12, and bedrock monitoring wells BR-1, BR-2, and BR-4 on September 25, 2008. The samples were collected to monitor ground water quality following the September 2006 expanded HRC injection. Prior to sampling, the wells were purged of a minimum of three well volumes of water. Monitoring wells MW-1, MW-2, MW-4, BR-1, and BR-4 were purged

using a submersible pump with new polyethylene tubing during the September sampling event. Samples were collected using bailers after the wells were allowed to recover for a minimum of one hour. A field duplicate was collected from monitoring well MW-10 during the September sampling event and submitted to the laboratory with an arbitrary well identification (MW-5). The groundwater samples, field duplicate and trip blank were analyzed for VOCs by USEPA method 8260B. Ground water samples from monitoring wells MW-2, MW-6, MW-9, MW-10, MW-11, and MW-12 from both the March and September sampling events also were analyzed for the HRC-indicator parameters sulfate, nitrate, total iron and manganese, dissolved iron and manganese, dissolved gases (methane, ethane, and ethane), carbon dioxide, and total organic carbon. Monitoring well MW-3 was not sampled because the fluid in the well appeared to be HRC.

## **2.2     Soil Vapor Sampling**

Soil gas samples were collected on September 25, 2008 from soil vapor wells SV-1 and SV-2 in accordance with the December 2, 2005 Expanded HRC Injection Plan. Previously unreported results for soil gas samples collected on March 7, 2008 also are presented herein. Samples were collected by first calculating and evacuating a minimum of four stagnant volumes of the connecting tubing plus the sampling train. The sampling canister was connected to the sampling tubing and soil gas well using the brass shut-off valve. The canister was fitted with a flow control valve set to allow sample collection at a maximum rate of 1 liter per minute. The soil gas samples were submitted for analysis of VOCs by EPA Method TO-15A.

## **3.0     RESULTS AND DISCUSSION**

### **3.1     Ground Water Analytical Results**

The volatile organic analytical results for the ground water samples are summarized on Tables 1 through 13. The results of the analysis of the HRC indicator parameters are summarized on Tables 14 through 20 with the VOC results. The analytical results from several previous sampling events also are shown on these tables for purposes of comparison. Copies of the laboratory analytical report for the September 25, 2008 ground water samples are provided in Appendix A.

The analytical results indicate that the concentration of total VOCs in MW-2, MW-6, MW-10, MW-11, and MW-12 is higher in the September 2008 samples than in the March 2008 samples. The increase of total VOCs in these wells is primarily due to an increase in cis-1,2-dichloroethene, a degradation product of tetrachloroethene and trichloroethene and indicates continued degradation of the halogenated compounds in the ground water.

Review of the ground water data from each well indicates that reducing conditions persist that favor dechlorination of PCE and its degradation compounds. The HRC is expected to maintain the reducing conditions for a period of several years after its application thereby allowing the processes of diffusion, dechlorination, and dispersion to continue to positively affect the ground water quality. Improvements in the ground water quality are expected based on the current indicators.

The following table describes the observations for the data for each monitoring well and conclusions based on the observations. This analysis of the data identifies trends/decreases in individual or total VOCs, and indicates whether conditions support dechlorination and whether there is evidence of biodegradation.

<b>Well No.</b>	<b>Observation/Analysis</b>	<b>Conclusion</b>
MW-1	<i>Reduction in VOCs is evident.</i>	<i>Effects of HRC application are evident based on the reduction of VOCs to ND. Reductions in VOC levels suggest the plume size is decreasing</i>
MW-2	<i>Methane and an increase in sulfate and CO<sub>2</sub> are detected in MW-2. The concentration of dissolved iron increased in the past and has since declined.</i>  <i>Degradation compounds cis-DCE and VC are detected. PCE, Cis-DCE, and VC levels increased since the March 2008 sample.</i>	<i>Conditions that support biodegradation appear to be present near MW-2. Data suggest biodegradation based on the increase of degradation compounds cis - DCE and VC.</i>  <i>Evidence of biodegradation is present based on the presence of dechlorination products, particularly methane, sulfate and CO<sub>2</sub>.</i>

<i>MW-3</i>	<i>VOC levels were very low at the onset of the remedial program. The well has contained HRC since the 2006 injection event and cannot be sampled.</i>	
<i>MW-4</i>	<i>The concentration of PCE, TCE, cis-DCE and VC decreased since the August 2007 sampling event. Concentrations of cis-DCE and VC are relatively elevated.</i>	<i>Biodegradation is taking place in the vicinity of MW4 based on the elevated concentrations of degradation compounds. Further reductions in VOCs are expected.</i>
<i>MW-6</i>	<i>VOC concentrations are very low or ND and decreased substantially after August 2005. VC was detected in the March and September 2008 samples and had not been detected since August 2005. Methane and CO<sub>2</sub> are detected.</i>	<i>The reduction in VOCs indicates the effectiveness of the HRC. The detection of VC, methane and CO<sub>2</sub> in the September 2008 sample indicates that dechlorination and biodegradation is continuing.</i>
<i>MW-7</i>	<i>The concentration of PCE has decreased and the concentration of the degradation compound cis-DCE increased since August 2005.</i>	<i>The increase in degradation compounds and decrease in PCE indicates that dechlorination and biodegradation are occurring.</i>
<i>MW-9</i>	<i>Methane and carbon dioxide have been detected; however, no reduction in sulfate is evident, suggesting that reducing conditions have not yet been established in the vicinity of MW-9. PCE decreased and cis-DCE is present.</i>	<i>Biodegradation appears to be occurring based on the presence of methane, carbon dioxide, cis-DCE and possibly based on the decrease in PCE in the September sample.</i>
<i>MW-10</i>	<i>Methane, dissolved iron and manganese have increased and sulfate decreased since the March 2008 sample. Methane, ethene and ethane were detected during previous sampling events. Concentrations of PCE and cis-DCE increased since March 2008.</i>	<i>Reducing conditions continue to appear to be present. Evidence of biodegradation is present based particularly on the considerable increase in cis-DCE and methane.</i>
<i>MW-11</i>	<i>Concentrations of dissolved iron, manganese, and methane have decreased compared to past results.</i>  <i>The concentration of cis-DCE increased and VC is present.</i>	<i>Reducing conditions may be waning based on the indicator parameter concentrations.</i>  <i>The increase in cis-DCE and the presence of VC indicates dissolution and degradation is occurring.</i>

MW-12	<p><i>Concentrations of dissolved iron and manganese have increased slightly compared to past results. There is relatively little change in other indicator parameters.</i></p> <p><i>The concentration of cis-DCE increased. The presence of VC may be masked by an elevated detection limit.</i></p>	<p><i>Reducing conditions may be waning based on the indicator parameter concentrations.</i></p> <p><i>The increase in cis-DEC indicates dissolution and degradation is occurring.</i></p>

The data indicate that reducing conditions continue to be present at most well locations and that there is evidence that biodegradation is occurring. The evidence for dechlorination by biodegradation includes the presence of, and increases in, concentrations of dechlorination products cis-DCE and VC. An increase in the concentration of PCE in some wells likely is due to dissolution. Concentrations of total VOCs have decreased as a direct result of HRC remediation at many wells despite some recent rebound in concentrations of PCE. Increased concentrations of total VOCs are recently evident in wells MW-2, MW-6, MW-10, MW-11, and MW-12 as a result of dissolution and/or degradation of the VOCs and a corresponding increase in the concentration of degradation compounds. These increases are considered to be an indication that the dechlorination process is continuing.

### 3.2 Ground Water Compliance and Concentration Graphs

Wells MW-2 and MW-9 are identified in the May 14, 2001 Revised Ground Water Monitoring Plan as the locations where total VOC concentrations will be evaluated for compliance purposes. Well MW-10 also is a compliance monitoring point as described in the October 3, 2002 Contingency Plan Addendum. A graph of PCE and total VOC concentrations in ground water at each of these wells is presented in Appendix B.

Graphs showing the compliance curves with the actual total VOC concentrations for sampling events after November 6, 2001 are presented in Appendix C. The concentration of total VOCs in well MW-

9 is below the compliance curve. The recent concentrations of total VOCs in wells MW-2 and MW-10 exceed the compliance curve; however, the total VOC concentrations are due to increases in cis-1,2 dichloroethene associated with the degradation of PCE in these wells.

### **3.3     Ground Water Flow**

Depths to water measurements were recorded in all accessible wells prior to sampling ground water. These data were used to construct unconsolidated and bedrock ground water contour maps, and calculate vertical hydraulic gradients for well pairs MW-6/BR-1, MW-7/BR-2, and MW-10/BR-4. The ground water elevations for all wells for the September 25, 2008 sampling event are presented in Table 21. The calculated vertical hydraulic gradients on September 25, 2008 are presented in Table 22. As shown on Table 22, there is an upward gradient at well pair MW-6/BR-1 and a downward gradient at well pairs MW-7/BR-2, and MW-10/BR-4. The vertical ground water gradient is slight and changes direction over time because the water level in the unconsolidated materials fluctuates more rapidly than in the bedrock.

The ground water contour maps (Figures 1 and 2) show that the direction of ground water flow is generally to the north in both the unconsolidated materials and bedrock, consistent with previous ground water measurements.

### **3.4     Soil Vapor Monitoring Results**

The laboratory analytical results for the soil gas samples (SV-1 and SV-2) collected on September 25, 2008 and the previously unreported soil gas analytical results for March 7, 2008 are summarized in Table 23. The laboratory analytical reports are presented in Appendix A.

The analytical results indicate that most of the compounds detected in the samples are related to either petroleum or solvents. The detection of cis-1,2-dichloroethylene, tetrachloroethylene, trichloroethylene, and vinyl chloride are most likely related to the compounds detected in the ground

water. The presence of petroleum-related compounds is not unusual based on the location of the soil vapor monitoring wells near a parking, loading, and delivery area of the plaza where there is frequent truck and vehicle traffic. Petroleum-related and volatile organic compounds other than those noted above were not detected in the ground water samples from wells MW-10, MW-11, and MW-12 near soil vapor wells SV-1 and SV-2. The installation of a sub-slab depressurization system beneath the shopping plaza buildings eliminates the potential for vapor intrusion into the plaza buildings.

#### **4.0 MONITORING SCHEDULE**

Ground water monitoring is being performed to evaluate the effects of HRC injection in accordance with the monitoring schedule outlined in the December 2, 2005 Expanded HRC Injection Plan. The Plan specifies one year of quarterly monitoring, one year of semi-annual monitoring and two years of annual monitoring after the September 2006 sampling event. Samples collected on December 14, 2006 and on March 28, June 21 and August 30, 2007 completed the first year of quarterly monitoring. Samples collected on March 7, 2008 and September 25, 2008 completed the second year of semi-annual monitoring.

Samples are scheduled to be collected in August or September 2009 and 2010 to complete the two years of annual monitoring specified in the Plan. All accessible ground water monitoring wells will be sampled during the next annual monitoring event. The ground water samples will be analyzed for VOCs. Ground water samples collected from wells MW-2, MW-3, MW-6, MW-9, MW-10, MW-11, and MW-12 also will be analyzed for HRC indicator parameters. Soil gas samples are scheduled to be collected from soil vapor wells SV-1 and SV-2 at the same time as the ground water samples. The soil gas samples will be analyzed for VOCs by EPA Method TO-15A.

#### **5.0 SUMMARY**

Ground water samples were collected to monitor the effectiveness of the HRC in reducing the concentrations of VOCs in the ground water. Soil vapor samples also were collected to monitor the concentration of VOCs in the soil gas. Compounds related to both solvents and petroleum were

detected in the soil gas samples. The solvent-related compounds likely are derived from the VOCs in the ground water. No petroleum-related or other volatile organic compounds were detected in the ground water near the soil vapor monitoring wells. The installation of a sub-slab depressurization system beneath the shopping plaza buildings eliminates the potential for vapor intrusion into the plaza buildings.

The ground water analytical results indicate that the HRC has successfully established, and continues to maintain reducing conditions in the subsurface that are necessary for dechlorination. A decrease in the concentration of total VOCs has been observed in most wells during past sampling events as a result of the dechlorination process. Increased concentrations of VOCs in some wells during the September 2008 sampling event are the result of the breakdown of PCE and a corresponding increase in the concentration of degradation compounds. Future ground water sampling events will evaluate the extent to which dechlorination continues to occur and additional reductions in VOC concentrations in the ground water.

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**TABLES**

**TABLE 1**  
**Well MW-1**  
**Summary of Ground Water Sampling Analytical Results**  
**Volatile Organic Compounds**  
**Revonak Dry Cleaners Site No. 356021**

	12/91	9/94	2/21/1996	3/7/96	3/19/96	2/7/97	1/20/98	5/14/98	8/27/98	12/4/98	2/26/99	8/2/01
<b>Halogenated Volatile Organics</b>												
Vinyl Chloride	<10.0	U	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.81J
cis-1,2-Dichloroethene	<5.0	5.5	<1.0	<1.0	<1.0	7.7	4.0	5.0	6.1	2.5	1.7	0.92J
Trichloroethene	16.0	7.1	<1.0	<1.0	<1.0	9.3	5.0	7.1	15	3.9	2.8	4.3
Tetrachloroethene	65	39	<1.0	1.1	2.6	57	28	38	62	23	19	12
Methylene Chloride	<5.0	NR	<1.0	U	U	<1.0	<1.0	<1.0	2	<1.0	<1.0	<1.0
<b>TOTAL VOCs</b>	<b>81.0</b>	<b>51.6</b>	<b>ND</b>	<b>1.1</b>	<b>2.6</b>	<b>74.0</b>	<b>37.0</b>	<b>50.1</b>	<b>85.1</b>	<b>29.4</b>	<b>23.5</b>	<b>18.0</b>
 <b>Halogenated Volatile Organics</b>												
	11/6/01	2/19/02	5/15/02	8/15/02	8/21/03	8/18/04	8/30/05	8/31/06	8/30/07	9/25/08		
Vinyl Chloride	0.99J	0.60J	1.8	2.5	2.8	<1.0	1.4	<1.0	<5.0	<5.0		
cis-1,2-Dichloroethene	<1.0	1.1	4	1.0J	2.8	2	2.7	5.0J	<5.0	<5.0		
Trichloroethene	1.9	2.2	8.7	2.8	6.9	4.6	5.3	5.0	<5.0	<5.0		
Tetrachloroethene	3.2	7.6	21	1	10	9.9	14	18	<5.0	<5.0		
Methylene Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<9.0	<5.0	<5.0		
<b>TOTAL VOCs</b>	<b>5.1</b>	<b>10.9</b>	<b>35.5</b>	<b>7.3</b>	<b>22.5</b>	<b>16.5</b>	<b>23.4</b>	<b>28.0</b>	<b>ND</b>	<b>ND</b>		

Notes:

1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. U = Indicates the compound was analyzed, but not detected.
3. J = Indicates an estimated value less than the lowest standard.
4. NR = result not reported for indicated compound.
5. All results are in micrograms per liter (ug/l, ppb).
6. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

TABLE 2

**Well MW-2**  
**Summary of Ground Water Sampling Analytical Results**  
**Volatile Organic Compounds**  
**Revonak Dry Cleaners Site No. 356021**

Halogenated Volatile Organics	12/91	9/94	2/5/96	3/7/96	3/19/96	3/19/96	3/22/96	4/26/96	2/7/97	1/20/98	5/14/98	8/27/98	12/4/98	2/26/99	2/26/99	2/26/99		
Vinyl Chloride	<1000	U	<500	<500	<200	<2,000	<500	<1,000	21	20	<10	10	13	<10	<10	11		
cis-1,2-Dichloroethene	<500	600	<500	<500	420	<1,000	260	280	160	200	100	150	150	120	120	130		
1,1,1-Trichloroethane	<500	<500	550	750	590	<1,000	270	300	160	130	20	47	30	18	18	20		
Trichloroethene	1,400	<500	<500	<500	<200	<1,000	160	<200	120	140	53	150	150	87	87	86		
Tetrachloroethene	3,100	7,600	21,000	31,000	21,000	21,000	13,000	15,000	9,100	5,600	2,100	4,500	3,600	2,700	2,700	2,700		
1, 1-Dichloroethane	<500	U	<500	U	U	U	<100	<200	6	4.0	<10	5.1J	<10	<10	<10	2.3		
1, 1-Dichloroethene	<500	U	<500	U	U	U	<100	<200	12	7.0	<10	<10	<10	<10	<10	1.5		
trans-1, 2-Dichloroethene	<500	U	<500	U	U	U	<100	<200	<1.0	2.0	<10	<10	<10	<10	<10	1.0		
1,1,1,2-Tetrachloroethane	NA	U	NA	U	U	U	NA	NA	4.1	<1.0	<10	<10	<10	<10	<10	<1.0		
Chloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	≤1.0	≤1.0		
<b>TOTAL VOCs</b>	<b>4500</b>	<b>8200</b>	<b>21550</b>	<b>31750</b>	<b>22010</b>	<b>21000</b>	<b>13690</b>	<b>15580</b>	<b>9583.1</b>	<b>6103</b>	<b>2273</b>	<b>4862.1</b>	<b>3943</b>	<b>2925</b>	<b>2925</b>	<b>2951.8</b>		
Halogenated Volatile Organics	8/2/01	8/2/01	11/6/01	11/6/01	2/19/02	5/15/02	8/15/02	8/21/03	HRC Injection: November 2003	5/19/04	11/16/04	2/21/05	8/30/05	8/31/06	HRC Injection: September 2006	12/14/06	3/28/07	6/21/07
Vinyl Chloride	31	25	<10	<10	5.5	<10	5.6	60	19	37	110	620	40	37	67			
cis-1,2-Dichloroethene	440	370	260	240	140	110	500	290	5200	53	87	370	1400	130	110	210		
1,1,1-Trichloroethane	26	29	7.8J	7.1J	5.2J	20	13	29	20	<1.0	2.0	1.0	<1.0	1.0J	<5.0	<5.0		
Trichloroethene	320	340	130	120	67	34	180	170	170	8.9	13	19	24	23	12	20		
Tetrachloroethene	4,700	5,500	2,300	2,300	1,300	670	2,500	3,900	58	33	84	100	110	220	270	270		
1, 1-Dichloroethane	<10	3.6	<10	<10	<10	1.2J	<10	<10	14	5.6	7.9	9.4	9	6	<5.0	5		
1, 1-Dichloroethene	<10	3.5	<10	<10	<10	<2.0	<10	<10	7.0	<1.0	<1.0	0.51J	<1.0	<5.0	<5.0	<5.0		
trans-1, 2-Dichloroethene	<10	3.5	<10	<10	<10	<2.0	<10	<10	34	8.6	8.2	14	24	9	6	7		
1,1,1,2-Tetrachloroethane	<10	<10	<10	<10	<10	<2.0	<10	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5	<5.0		
Chloroethane	<1.0	<1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	24	20	14	2.0J	7	7	18		
<b>TOTAL VOCs</b>	<b>5517</b>	<b>6274.6</b>	<b>2697.8</b>	<b>2667.1</b>	<b>1512.2</b>	<b>840.7</b>	<b>3193</b>	<b>4394.6</b>	<b>5563</b>	<b>152.1</b>	<b>259.1</b>	<b>637.9</b>	<b>2189</b>	<b>436</b>	<b>442</b>	<b>597</b>		
Halogenated Volatile Organics	8/30/07	3/7/08	9/25/08															
Vinyl Chloride	56	20	300															
cis-1,2-Dichloroethene	250	60	900															
1,1,1-Trichloroethane	<5.0	<5.0	<25.0															
Trichloroethene	31	9	<25.0															
Tetrachloroethene	330	84	480															
1, 1-Dichloroethane	10	<5.0	<25.0															
1, 1-Dichloroethene	<5.0	<5.0	<25.0															
trans-1, 2-Dichloroethene	10	<5.0	<25.0															
1,1,1,2-Tetrachloroethane	<5.0	<5.0	<25.0															
Chloroethane	16	13	<25.0															
<b>TOTAL VOCs</b>	<b>703</b>	<b>186</b>	<b>1680</b>															

## Notes:

1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. U = Indicates the compound was analyzed, but not detected.
3. J = Indicates an estimated value less than the lowest standard.
4. NA = Sample not analyzed for indicated compound.
5. All results are in micrograms per liter (ug/l, ppb).
6. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

TABLE 3

**Well MW-3**  
**Summary of Ground Water Sampling Analytical Results**  
**Volatile Organic Compounds**  
**Revonak Dry Cleaners Site No. 356021**

	12/91	9/94	2/5/96	3/7/96	3/19/96	2/7/97	1/20/98	5/14/98	8/27/98	12/4/98	2/26/99	8/2/01	11/6/01
<b>Halogenated Volatile Organics</b>													
Vinyl Chloride	<10.0	U	1.8	1.4	2.2	<1.0	1	<1.0	<1.0	<1.0	<1.0	<1.0	0.69J
cis-1,2-Dichloroethene	<5.0	10	7.0	7.9	12	3.8	7.0	7.2	11	10	6.4	12	9.3
1,1,1-Trichloroethane	<5.0	U	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	3.0	<5.0	<1.0	<1.0	<1.0	<1.0	0.8J	0.8J	1.2	1.2	0.7J	1.1	1.1
Tetrachloroethene	15	<5.0	2.9	<1.0	8.6	0.5	0.7J	0.6J	1J	0.7J	0.5J	0.77J	<1.0
<b>Aromatic Volatile Organics</b>													
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	<1.0	1.0	<1.0	<1.0	0.7J	<1.0	<1.0
Benzene	<u>&lt;5.0</u>	U	<u>&lt;0.5</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>&lt;1.0</u>	<u>&lt;1.0</u>	<u>&lt;1.0</u>	<u>0.5J</u>	<u>&lt;1.0</u>	<u>&lt;1.0</u>	<u>&lt;1.0</u>
<b>TOTAL VOCs</b>	<b>18</b>	<b>10</b>	<b>11.7</b>	<b>9.3</b>	<b>22.8</b>	<b>4.3</b>	<b>9.5</b>	<b>9.6</b>	<b>13.2</b>	<b>11.9</b>	<b>8.3</b>	<b>0.8</b>	<b>11.09</b>

	2/19/02	5/15/02	8/15/02	8/21/03	HRC Injection, November 2003	5/19/04	8/18/04	11/16/04	2/21/05	8/30/05	8/30/05	8/31/06	(DUP)
<b>Halogenated Volatile Organics</b>													
Vinyl Chloride	<1.0	1.2	<1.0	1.7		1.8	2.9	3.0	2.0	2	1.4	1.0J	
cis-1,2-Dichloroethene	6.1	6.4	17	12		7.9	12	7.2	4.5	9.8	9.6	5.0	
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Trichloroethene	0.78J	0.7J	1.2	1.2		1.4	1.3	1.0	0.56J	1.0	0.97J	<1.0	
Tetrachloroethene	<1.0	<1.0	0.7J	<1.0		0.6J	0.6J	0.6J	<1.0	<1.0	<1.0	<1.0	
<b>Aromatic Volatile Organics</b>													
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Benzene	<u>&lt;1.0</u>	<u>0.6J</u>	<u>0.9J</u>	<u>&lt;1.0</u>		<u>0.6J,B</u>	<u>&lt;1.0</u>	<u>&lt;1.0</u>	<u>&lt;1.0</u>	<u>&lt;1.0</u>	<u>0.53J</u>	<u>&lt;1.0</u>	
<b>TOTAL VOCs</b>	<b>6.9</b>	<b>8.3</b>	<b>19.8</b>	<b>14.9</b>		<b>12.3</b>	<b>16.8</b>	<b>11.8</b>	<b>7.06</b>	<b>12.8</b>	<b>12.5</b>	<b>6.0</b>	

HRC Injection: September 2006

## Notes:

1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. U = Indicates the compound was analyzed, but not detected.
3. J = Indicates an estimated value less than the lowest standard.
4. NA = Sample not analyzed for the indicated compound.
5. All results are in micrograms per liter (ug/l, ppb).
6. B = Indicates the compound was detected in the field blank sample.
7. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).
8. MW-3 was not sampled on 12/14/06, 3/28/07, 6/21/07, 8/30/07, 3/7/08, or 9/25/08 due to the presence of HRC in the well.

TABLE 4

**Well MW-4**  
**Summary of Ground Water Sampling Analytical Results**  
**Volatile Organic Compounds**  
**Revonak Dry Cleaners Site No. 356021**

<b>Halogenated Volatile Organics</b>	12/91	9/94	02/05/96	03/07/96	03/19/96	02/07/97	01/20/98	05/14/98	(Dup) 05/14/98	08/27/98	12/04/98	02/26/99	8/2/01
Vinyl Chloride	<10.0	U	10	<2.0	<5.0	2.2	39	5.5	5.7	70	43	17	14
cis-1,2-Dichloroethene	<5.0	36	240	46	220	120	120E	88	87	310	220	120	130
1,1,1-Trichloroethane	<5.0	U	<10.0	<2.0	<5.0	6.8	0.8J	<1.0	<1.0	2.6	1.1	<1.0	0.84J
Trichloroethene	8.0	18	32	10	26	24	35	30	31	48	46	25	27
Tetrachloroethene	178	200	310	110	290	88	210	190	180	230	210	130	130
Chloroethane	<10.0	U	<10.0	U	U	<1	2.0	<1.0	<1.0	2.6	6.3	2.0	<1.0
1, 1-Dichloroethene	<5.0	U	<10.0	U	U	<1	<1.0	<1.0	<1.0	0.6J	<1.0	<1.0	<1.0
trans 1,2-Dichloroethene	<5.0	U	<10.0	U	U	<1	<1.0	<1.0	<1.0	0.9J	0.8J	0.5J	0.83J
Chloroform	<u>&lt;5.0</u>	<u>U</u>	<u>&lt;10.0</u>	<u>U</u>	<u>U</u>	<u>&lt;1</u>	<u>&lt;1.0</u>	<u>&lt;1.0</u>	<u>&lt;1.0</u>	<u>&lt;1.0</u>	<u>&lt;1.0</u>	<u>0.6J</u>	<u>0.94J</u>
<b>TOTAL VOCs</b>	<b>186.0</b>	<b>254</b>	<b>592</b>	<b>166</b>	<b>536</b>	<b>241.0</b>	<b>286.8</b>	<b>313.5</b>	<b>303.7</b>	<b>663.2</b>	<b>527.2</b>	<b>295.1</b>	<b>303.6</b>
	11/6/01	2/19/02	(Dup) 2/19/02	5/15/02	(Dup) 5/15/02	8/15/02	8/21/03	(Dup) 8/21/03	8/18/04	(Dup) 8/18/04	8/30/05	8/31/06	8/30/07
Vinyl Chloride	31	28	28	5.5	5.1	36	6.1	6.5	8.0	6.3	24	1.0J	27
cis-1,2-Dichloroethene	140	88	80	28	28	150	55	61	66	60	140	23	110
1,1,1-Trichloroethane	1.4	0.79J	0.71J	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Trichloroethene	39	25	23	14	14	40	29	31	29	25	23	8.0	23.0
Tetrachloroethene	180	110	120	86	88	170	130	160	170	170	90	67	110
Chloroethane	4.4	6.7	6.2	1.7	1.6	9.9	<1.0	1.4	<1.0	1.4	4.5	<1.0	<5.0
1, 1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
trans 1,2-Dichloroethene	1.2	0.68J	0.65J	<1.0	<1.0	1.4	0.7J	0.8J	0.7J	0.6J	<1.0	<1.0	<5.0
Chloroform	<u>1.1</u>	<u>0.78J</u>	<u>0.69J</u>	<u>0.9J</u>	<u>0.9J</u>	<u>1.2</u>	<u>1.0J</u>	<u>1.1</u>	<u>0.9J</u>	<u>&lt;1.0</u>	<u>&lt;1.0</u>	<u>&lt;1.0</u>	<u>&lt;5.0</u>
<b>TOTAL VOCs</b>	<b>398.1</b>	<b>260.0</b>	<b>259.3</b>	<b>136.1</b>	<b>137.6</b>	<b>409.7</b>	<b>221.8</b>	<b>261.8</b>	<b>274.6</b>	<b>263.3</b>	<b>281.5</b>	<b>99.0</b>	<b>270.0</b>

9/25/08

Vinyl Chloride	21
cis-1,2-Dichloroethene	98
1,1,1-Trichloroethane	<5.0
Trichloroethene	15
Tetrachloroethene	67
Chloroethane	<5.0
1, 1-Dichloroethene	<5.0
trans 1,2-Dichloroethene	<5.0
Chloroform	<u>&lt;5.0</u>
<b>TOTAL VOCs</b>	<b>201</b>

## Notes:

1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. U = Indicates the compound was analyzed, but not detected.
3. J = Indicates an estimated value less than the lowest standard.
4. E = Indicates an estimated value greater than the highest standard.
5. All results are in micrograms per liter (ug/l, ppb).
6. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

TABLE 5

**Well MW-6**  
**Summary of Ground Water Sampling Analytical Results**  
**Volatile Organic Compounds**  
**Revonak Dry Cleaners Site No. 356021**

	1/20/98	5/14/98	8/26/98	12/3/98	2/25/99	8/2/01	11/6/01	2/19/02	5/15/02	8/15/02	8/21/03	5/19/04
<b>Halogenated Volatile Organics</b>												
Vinyl Chloride	5.0	1.4	12	3.6	12	13	24	2.5	<1.0	7.9	1.2	13
cis-1,2-Dichloroethene	35	24	91	76	66	85	460	89	21	83	19	75
Trichloroethene	14	7.9	24	20	8.4	12	96	34	8.9	13	5.6	2.9
Tetrachloroethene	41	46	53	42	23	26	56	29	19	24	20	4.5
Chloroethane	<1.0	<1.0	3.4	1.2	<1.0	<1.0	5.3	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<1.0	<1.0	1.1	1.0	1.0	0.94J	3.6	<1.0	<1.0	<1.0	<1.0	1.6
1,1 Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0
<b>Aromatic Volatile Organics</b>												
Benzene	<1.0	<1.0	0.6J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<u>&lt;1.0</u>	<u>&lt;1.0</u>	<u>1.3</u>	<u>&lt;1.0</u>	<u>&lt;1.0</u>	<u>0.7J</u>	<u>1.1</u>	<u>&lt;1.0</u>	<u>&lt;1.0</u>	<u>1.0</u>	<u>&lt;1.0</u>	<u>&lt;1.0</u>
<b>TOTAL VOCs</b>	<b>95</b>	<b>79.3</b>	<b>186.4</b>	<b>143.8</b>	<b>110.4</b>	<b>1.6</b>	<b>647.2</b>	<b>154.5</b>	<b>48.9</b>	<b>128.9</b>	<b>45.8</b>	<b>97.0</b>
												HRC Injection: November 2003

	8/18/04	11/16/04	2/21/05	8/30/05	8/31/06	8/18/04	12/14/06	3/28/07	6/21/07	8/30/07	3/7/08	9/25/08
<b>Halogenated Volatile Organics</b>												
Vinyl Chloride	8.8	17	23	84	<1.0		1.0J	<5.0	<5.0	<5.0	6	10
cis-1,2-Dichloroethene	11	25	37	470	7.0		2.0J	<5.0	<5.0	<5.0	<5.0	9
Trichloroethene	1.9	1.3	1.3	3.7	1.0J		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene	4.9	1.1	1.0	2.3	2.0J		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane	<1.0	1.3	0.55J	3.8	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene	<1.0	0.88J	0.77J	3.7	<1.0		NA	<5.0	<5.0	<5.0	<5.0	<5.0
1,1 Dichloroethene	<1.0	<1.0	<1.0	0.77J	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
<b>Aromatic Volatile Organics</b>												
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
sec-Butylbenzene	<u>&lt;1.0</u>	<u>&lt;1.0</u>	<u>0.51J</u>	<u>&lt;1.0</u>	<u>&lt;1.0</u>		<u>&lt;5.0</u>	<u>&lt;5.0</u>	<u>&lt;5.0</u>	<u>&lt;5.0</u>	<u>&lt;5.0</u>	<u>&lt;5.0</u>
<b>TOTAL VOCs</b>	<b>26.6</b>	<b>46.6</b>	<b>64.1</b>	<b>568.3</b>	<b>10.0</b>		<b>3.0</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>6</b>	<b>19</b>
							HRC Injection: September 2006					

## Notes:

1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. J= Indicates an estimated value less than the lowest standard.
3. All results are in micrograms per liter (ug/l, ppb).
4. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

**TABLE 6**  
**Well MW-7**  
**Summary of Ground Water Sampling Analytical Results**  
**Volatile Organic Compounds**  
**Revonak Dry Cleaners Site No. 356021**

	1/20/98	5/14/98	8/26/98	12/4/98	2/26/99	8/2/01	11/6/01	2/19/02	5/15/02	8/15/02	8/21/03
<b>Halogenated Volatile Organics</b>											
Vinyl Chloride	4.0	1.4	4.3	3.6	<1.0	1.6	2.2	0.69J	0.6J	1.3	1.2
cis-1,2-Dichloroethene	32	28	58	43	24	18	22	13	8.2	16	12
Trichloroethene	18	20	27	23	17	16	17	11	11	14	15
Tetrachloroethene	93	110	160	130	98	88	98	72	48	68	57
<b>TOTAL VOCs</b>	<b>147</b>	<b>159.4</b>	<b>249.3</b>	<b>199.6</b>	<b>139</b>	<b>123.6</b>	<b>139.2</b>	<b>96.7</b>	<b>67.8</b>	<b>99.3</b>	<b>85.2</b>
<b>Halogenated Volatile Organics</b>											
	8/18/04	8/30/05	8/31/06	8/30/07	9/25/08						
Vinyl Chloride	0.9J	<1.0	<1.0	<5.0	<5.0						
cis-1,2-Dichloroethene	12	12	4.0J	27	24						
Trichloroethene	13	10	4.0J	6	5						
Tetrachloroethene	63	63	18	10	7						
<b>TOTAL VOCs</b>	<b>88.9</b>	<b>85</b>	<b>26.0</b>	<b>43.0</b>	<b>36.0</b>						

Notes:

1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. All results are in micrograms per liter (ug/l, ppb).
3. J= Indicates an estimated value less than the lowest standard.
4. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

**TABLE 7**  
**Well MW-9**  
**Summary of Ground Water Sampling Analytical Results**  
**Volatile Organic Compounds**  
**Revonak Dry Cleaners Site No. 356021**

	1/20/98	5/13/98	8/26/98	(Dup) 8/26/98	12/3/98	2/25/99	8/2/01	11/6/01	2/19/02	5/15/02	8/15/02
	Halogenated Volatile Organics										
Vinyl Chloride	41	9.1	3.8	4.2	51	18	<1.0	13	6.1	4.8	5.1
trans-1,2-Dichloroethene	3.0	2.9	3.2	3.2	2.3	2.4	2.3	2.0	1.1	1.1	1.9
cis-1,2-Dichloroethene	700	420	340	360	410	480	220	160	89	130	140
1,1,1-Trichloroethane	1.0	<1.0	0.6J	<1.0	1.0J	0.7J	<1.0	0.71J	<1.0	<1.0	<1.0
Trichloroethene	150	130	140	150	110	110	120	99	59	58	62
Tetrachloroethene	1,000	1,100	980	1100	870	870	830	890	460	400	350
Methylene Chloride	<1.0	<1.0	<1.0	1.0J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	2.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	0.8J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
<b>TOTAL VOCs</b>	<b>1895.8</b>	<b>1662</b>	<b>1467.6</b>	<b>1618.4</b>	<b>1446.4</b>	<b>1481.1</b>	<b>1172.3</b>	<b>1164.7</b>	<b>615.2</b>	<b>593.9</b>	<b>559.0</b>
Halogenated Volatile Organics	8/21/03	8/18/04	2/21/05	8/30/05	8/31/06	12/14/06	3/28/07	6/21/07	8/30/07	3/7/08	9/25/08
Vinyl Chloride	6.4	1.7	3.3	1.0	2.0J	16	5.0	8	12	<5.0	<10
trans-1,2-Dichloroethene	2.2	1.2	0.65J	0.76	2.0J	2.0J	<5.0	<5.0	<5.0	<5.0	<10
cis-1,2-Dichloroethene	260	99	70	74	200	180	140	110	120	110	69
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Trichloroethene	98	62	36	51	48	47	30	28	42	24	22
Tetrachloroethene	630	430	220	210	280	210	230	210	300	180	150
Methylene Chloride	<1.0	<1.0	1.2	<1.0	<5.0	2.0JB	<5.0	<5.0	<5.0	<5.0	<10
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
<b>TOTAL VOCs</b>	<b>997</b>	<b>594</b>	<b>331</b>	<b>337</b>	<b>532</b>	<b>457</b>	<b>405</b>	<b>356</b>	<b>474</b>	<b>314</b>	<b>241</b>

HRC Injection, September 2006

Notes:

1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. J = Indicates an estimated value less than the lowest standard.
3. All results are in micrograms per liter (ug/l, ppb).
4. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).
5. B = Indicates the compound was detected in the field blank sample.

TABLE 8

**Well MW-10**  
**Summary of Ground Water Sampling Analytical Results**  
**Volatile Organic Compounds**  
**Revonak Dry Cleaners Site No. 356021**

## Notes:

1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
  2. J = Indicates an estimated value less than the lowest standard.
  3. All results are in micrograms per liter (ug/l, ppb).
  4. NA = Compound not analyzed.
  5. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

**TABLE 9**  
**Well MW-11**  
**Summary of Ground Water Sampling Analytical Results**  
**Volatile Organic Compounds**  
**Revonak Dry Cleaners Site No. 356021**

	8/31/06	12/14/06	3/28/07	6/21/07	8/30/07	3/7/08	9/25/08
<b>Halogenated Volatile Organics</b>							
Vinyl Chloride	8.0	3.0J	8	<5.0	5	16	17
trans-1,2-Dichloroethene	NA	1.0J	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	140	35	54	16	17	84	140
Trichloroethene	6	3.0J	<5.0	<5.0	<5.0	5	6
Tetrachloroethene	37	7	14	6	<5.0	18	14
Methylene Chloride	<14	2JB	<5.0	<5.0	<5.0	<5.0	<5.0
<b>TOTAL VOCs</b>	<b>191</b>	<b>51</b>	<b>76</b>	<b>22</b>	<b>22</b>	<b>123</b>	<b>177</b>

Notes:

1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
3. All results are in micrograms per liter (ug/l, ppb).
4. NA = Compound not analyzed.
5. B = Indicates the compound was detected in the field blank sample.

**TABLE 10**  
**Well MW-12**  
**Summary of Ground Water Sampling Analytical Results**  
**Volatile Organic Compounds**  
**Revonak Dry Cleaners Site No. 356021**

Halogenated Volatile Organics	8/31/06	12/14/06	3/28/07	6/21/07	8/30/07	3/7/08	9/25/08
Vinyl Chloride	5.0 J	5.0	<5.0	<5.0	56	5	<50
trans-1,2-Dichloroethene	1.0 J	3.0 J	<5.0	<5.0	<5.0	<5.0	<50
cis-1,2-Dichloroethene	230	580	400	670	850	24	620
Trichloroethene	80	81	34	43	48	21	<50
Tetrachloroethene	510	170	120	140	140	65	97
Methylene Chloride	<14	2JB	<5.0	<5.0	<5.0	<5.0	<50
1,1-Dichloroethene	<5.0	1.0J	<5.0	<5.0	<5.0	<5.0	<50
<b>TOTAL VOCs</b>	<b>826</b>	<b>840</b>	<b>554</b>	<b>853</b>	<b>1,038</b>	<b>110</b>	<b>717</b>

Notes:

1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
3. All results are in micrograms per liter (ug/l, ppb).
4. B = Indicates the compound was detected in the field blank sample.

**TABLE 11**  
**Well BR-1**  
**Summary of Ground Water Sampling Analytical Results**  
**Volatile Organic Compounds**  
**Revonak Dry Cleaners Site No. 356021**

	1/20/98	5/14/98	8/26/98	12/3/98	2/26/99	8/2/01	11/6/01	2/19/02	5/15/02	8/15/02	8/21/03
<b>Halogenated Volatile Organics</b>											
Vinyl Chloride	4.0	1.5	0.9J	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	20	11	9.6	11	6.6	3.4	3.9	2.5	3.4	3.8	3.5
Trichloroethene	2.0	0.8J	<1.0	0.7J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	12	5.0	1.9	4.0	2.6	1.2	0.90J	0.74J	1.5	1.7	1.8
<b>TOTAL VOCs</b>	<b>38</b>	<b>18.3</b>	<b>12.4</b>	<b>16.8</b>	<b>9.2</b>	<b>4.6</b>	<b>4.8</b>	<b>3.2</b>	<b>4.9</b>	<b>5.5</b>	<b>5.3</b>
	8/18/04	8/30/05	8/31/06	8/30/07	9/25/08						
<b>Halogenated Volatile Organics</b>											
Vinyl Chloride	<1.0	<1.0	<1.0	<5.0	<5.0						
cis-1,2-Dichloroethene	2.5	3.2	1.0 J	6	6						
Trichloroethene	<1.0	<1.0	<1.0	<5.0	<5.0						
Tetrachloroethene	1.4	2.2	1.0 J	<5.0	<5.0						
<b>TOTAL VOCs</b>	<b>3.9</b>	<b>5.4</b>	<b>2.0</b>	<b>6.0</b>	<b>6.0</b>						

Notes:

1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. J = Indicates an estimated value less than the lowest standard.
3. All results are in micrograms per liter (ug/l, ppb).
4. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

**TABLE 12**  
**Well BR-2**  
**Summary of Ground Water Sampling Analytical Results**  
**Volatile Organic Compounds**  
**Revonak Dry Cleaners Site No. 356021**

	1/20/98	5/13/98	8/26/98	12/3/98	2/25/99	8/2/01	11/6/01	2/19/02	5/15/02	8/15/02	8/21/03
<b>Halogenated Volatile Organics</b>											
Vinyl Chloride	13	6.1	10	12	5.2	3.8	6.6	5	3.4	4.1	2.3
cis-1,2-Dichloroethene	65	64	100	100	63	55	71	57	48	63	43
Trichloroethene	19	21	27	26	20	20	24	18	17	20	21
Tetrachloroethene	130E	200	210	230	180	200	230	170	170	200	150
Chloroethane	<1.0	<1.0	0.9J	1.0	<1.0	<1.0	1.2	0.97J	0.5J	<1.0	<1.0
trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.37J	<1.0
<b>TOTAL VOCs</b>	<b>97</b>	<b>291.1</b>	<b>347.9</b>	<b>369</b>	<b>268.2</b>	<b>278.8</b>	<b>332.8</b>	<b>251.0</b>	<b>238.9</b>	<b>287.5</b>	<b>216.3</b>
	8/18/04	8/30/05	8/31/06	8/30/07	9/25/08						
<b>Halogenated Volatile Organics</b>											
Vinyl Chloride	4.1	4.1	4.0J	<5.0	<5.0						
cis-1,2-Dichloroethene	48	66	56	62	65						
Trichloroethene	20	22	18	14	11						
Tetrachloroethene	220	170	160	140	110						
Chloroethane	<1.0	<1.0	<1.0	<5.0	<5.0						
trans-1,2-Dichloroethylene	<1.0	<1.0	<1.0	<5.0	<5.0						
<b>TOTAL VOCs</b>	<b>292.1</b>	<b>262.1</b>	<b>238.0</b>	<b>216.0</b>	<b>186.0</b>						

Notes:

1. Results shown only for compounds which were historically detected at or above the laboratory practical quantitation limit (PQL).
2. J = Indicates an estimated value less than the lowest standard.
3. E = Indicates an estimated value greater than the highest standard.
4. All results are in micrograms per liter (ug/l, ppb).
5. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

TABLE 13

**Well BR-4**  
**Summary of Ground Water Sampling Analytical Results**  
**Volatile Organic Compounds**  
**Revonak Dry Cleaners Site No. 356021**

	11/6/01	2/19/02	5/15/02	8/15/02	8/21/03	8/18/04	2/21/05	8/30/05	8/31/06	8/30/07	9/25/08
<b>Halogenated Volatile Organics</b>											
Vinyl Chloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0
cis-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0
Tetrachloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0
<b>Aromatic Volatile Organics</b>											
MTBE	NA 0	NA 0	<1.0 0	NA 0	NA 0	NA 0	NA 0	NA 0	<1.0 0	<5.0 0	<5.0 0
<b>TOTAL VOCs</b>											

## Notes:

1. J = Indicates an estimated value less than the lowest standard.
2. All results are in micrograms per liter (ug/l, ppb).
3. NA = Compound not analyzed.
4. The Sample Blank from August 18, 2004 sampling displayed an elevated level of Tetrachloroethane (2.1 ppb).

**Table 14**  
**Summary of MW-2 Ground Water Sampling Analytical Results**  
**HRC Indicator Parameters & VOCs**  
**Revonak Dry Cleaners Site No. 356021**

WELL MW-2	Analyte	Units	DATE							
			08/30/05	8/31/06	09/07/06	12/14/06	03/28/07	06/21/07	8/30/07	3/7/08
Sulfate	mg/L	NM	NM	31.6	2.6	9.2	9.2	18.6	23.1	45.2
Nitrate	mg/L	NM	NM	<0.05	<0.05	0.050	<0.05	0.15	<0.05	<0.05
Total Iron	ug/L	NM	NM	3,020	3,350	4,490	2,770	2,040	5.39	3.28
Dissolved Iron	ug/L	NM	NM	82	158	2,550	2,230	928	4.18	1.83
Total Manganese	ug/L	NM	NM	5,680	NM	8,700	3,730	3,540	9.17	6.38
Dissolved Manganese	ug/L	NM	NM	5,650	NM	8,190	3,500	3,040	8.67	6.07
Carbon Dioxide	mg/L	NM	NM	19	NM	23	62	43.1	53.9	60.4
Ethene	ug/L	NM	NM	57.8	NM	113.0	<100	<100	<500	<100
Ethane	ug/L	NM	NM	<10.0	NM	33	106	<100	<500	<100
Methane	ug/L	NM	NM	368	NM	2,600	4,100	2,600	2,400	1,600
Total Organic Carbon	mg/L	NM	NM	4.7	100.0	22.0	8.5	5.4	14.0	4.1
<b>VOCs</b>										
Vinyl Chloride	ug/l	110	620	NM	40	37	67	56	20	300
cis-1,2-Dichloroethene	ug/l	370	1400	NM	130	110	210	250	60	900
1,1,1-Trichloroethane	ug/l	1.0	<5.0	NM	1.0J	<5.0	<5.0	<5.0	<5.0	<25
Trichloroethene	ug/l	19	24	NM	23	12	20	31	9	<25
Tetrachloroethene	ug/l	100	110	NM	220	270	270	330	84	480
1, 1-Dichloroethane	ug/l	9.4	9	NM	6	<5.0	5	10	<5.0	<25
1, 1-Dichloroethene	ug/l	0.51J	<5.0	NM	<5.0	<5.0	<5.0	<5.0	<5.0	<25
trans-1, 2-Dichloroethene	ug/l	14	24	NM	9	6	7	10	<5.0	<25
1,1,1,2-Tetrachloroethane	ug/l	<1.0	<5.0	NM	<5.0	<5.0	<5.0	<5.0	<5.0	<25
Chloroethane	ug/l	14	2.0J	NM	7	7	18	16	13	<25
<b>Total VOCs</b>		<b>637.91</b>	<b>2189</b>		<b>436</b>	<b>442</b>	<b>597</b>	<b>703</b>	<b>186</b>	<b>1680</b>

**Table 15**

**Summary of MW-3 Ground Water Sampling Analytical Results**  
**HRC Indicator Parameters & VOCs**  
**Revonak Dry Cleaners Site No. 356021**

WELL MW-3		DATE								
Analyte	Units	08/30/05	8/31/06	09/07/06	12/14/06	03/28/07	06/21/07	08/30/07	3/10/08	9/25/08
Sulfate	mg/L	NM	NM	30.4	NM	NM	NM	NM	NM	NM
Nitrate	mg/L	NM	NM	<0.05	NM	NM	NM	NM	NM	NM
Total Iron	ug/L	NM	NM	1,830	NM	NM	NM	NM	NM	NM
Dissolved Iron	ug/L	NM	NM	38	NM	NM	NM	NM	NM	NM
Total Manganese	ug/L	NM	NM	5,150	NM	NM	NM	NM	NM	NM
Dissolved Manganese	ug/L	NM	NM	3,370	NM	NM	NM	NM	NM	NM
Carbon Dioxide	mg/L	NM	NM	14.5	NM	NM	NM	NM	NM	NM
Ethene	ug/L	NM	NM	<10.0	NM	NM	NM	NM	NM	NM
Ethane	ug/L	NM	NM	<10.0	NM	NM	NM	NM	NM	NM
Methane	ug/L	NM	NM	21	NM	NM	NM	NM	NM	NM
Total Organic Carbon	mg/L	NM	NM	4.60	NM	NM	NM	NM	NM	NM
<b>VOCs</b>										
Vinyl Chloride	ug/l	2.0	1.0J	NM	NM	NM	NM	NM	NM	NM
cis-1,2-Dichloroethene	ug/l	9.6	5	NM	NM	NM	NM	NM	NM	NM
1,1,1-Trichloroethane	ug/l	<1.0	<5.0	NM	NM	NM	NM	NM	NM	NM
Trichloroethene	ug/l	0.97J	<5.0	NM	NM	NM	NM	NM	NM	NM
Tetrachloroethene	ug/l	<1.0	<5.0	NM	NM	NM	NM	NM	NM	NM
<b>Total VOCs</b>		<b>12.6</b>	<b>6</b>							

MW-3 was not sampled during the December 14, 2006, March 28, 2007, June 21, 2007, August 30, 2007, March 10, 2008, or September 25, 2008 sampling events because the liquid in the well appeared to be primarily HRC.

**Table 16**

**Summary of MW-6 Ground Water Sampling Analytical Results**  
**HRC Indicator Parameters & VOCs**  
**Revonak Dry Cleaners Site No. 356021**

WELL MW-6	Analyte	Units	DATE							
			08/30/05	8/31/06	09/07/06	12/14/06	03/28/07	06/21/07	8/30/07	3/7/08
Sulfate	mg/L	NM	NM	13.5	11.8	5.2	4.6	2.52	10.80	3.13
Nitrate	mg/L	NM	NM	0.270	<0.05	0.120	<0.05	<0.05	<0.05	<0.05
Total Iron	ug/L	NM	NM	2,000	3,560	502	902	1,320	2.06	2.76
Dissolved Iron	ug/L	NM	NM	65	209	301	436	639	1.45	0.524
Total Manganese	ug/L	NM	NM	846	NM	4390	3930	4,690	3.16	4.12
Dissolved Manganese	ug/L	NM	NM	13	NM	3780	3110	3,270	2.95	3.64
Carbon Dioxide	mg/L	NM	NM	18.6	NM	14	62	86.2	53.9	51.7
Ethene	ug/L	NM	NM	<10.0	NM	<10.0	<200	<100	<10	<100
Ethane	ug/L	NM	NM	<10.0	NM	11	<200	<100	<10	<100
Methane	ug/L	NM	NM	83	NM	4400	6400	4,400	936	1,100
Total Organic Carbon	mg/L	NM	NM	2.1	4.3	2.9	5.9	6.4	5.2	2.9
<b>VOCs</b>										
Vinyl Chloride	ug/l	84	1.0J	NM	1.0J	<5.0	<5.0	<5.0	6	10
cis-1,2-Dichloroethene	ug/l	470	7	NM	2.0J	<5.0	<5.0	<5.0	<5.0	9
Trichloroethene	ug/l	3.7	8	NM	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene	ug/l	2.3	67	NM	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane	ug/l	3.8	<5.0	NM	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene	ug/l	3.7	NM	NM	NM	<5.0	<5.0	<5.0	<5.0	<5.0
1,1 Dichloroethene	ug/l	0.77J	<5.0	NM	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
<b>Total VOCs</b>		<b>568.3</b>	<b>83</b>		<b>3</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>6</b>	<b>19</b>

**Table 17**

**Summary of MW-9 Ground Water Sampling Analytical Results**  
**HRC Indicator Parameters & VOCs**  
**Revonak Dry Cleaners Site No. 356021**

WELL MW-9		DATE								
Analyte	Units	08/30/05	8/31/06	9/7/06	12/14/06	3/28/07	6/21/07	8/30/07	3/7/08	9/25/08
Sulfate	mg/L	NM	NM	35.0	31.7	48.3	46.9	54.5	45.3	44.1
Nitrate	mg/L	NM	NM	0.56	0.78	0.53	0.34	0.30	0.34	0.43
Total Iron	ug/L	NM	NM	11,500	4,590	328	3,440	447	0.465	5.77
Dissolved Iron	ug/L	NM	NM	34	9	9	10	<5.0	0.009	0.005
Total Manganese	ug/L	NM	NM	2,970	NM	492	675	205	0.913	0.997
Dissolved Manganese	ug/L	NM	NM	11	NM	470	152	163	0.871	0.231
Carbon Dioxide	mg/L	NM	NM	18.6	NM	10.3	62	34.5	64.7	43.1
Ethene	ug/L	NM	NM	<10.0	NM	<10.0	<10.0	<10	<10	<10
Ethane	ug/L	NM	NM	<10.0	NM	<10.0	<10.0	<10	<10	<10
Methane	ug/L	NM	NM	15.0	NM	47.1	10.2	44.8	<10	15.1
Total Organic Carbon	mg/L	NM	NM	1.8	2.2	1.1	2.4	2.6	7.2	1.4
<b>VOCs</b>										
Vinyl Chloride	ug/l	1	2.0J	NM	16	5	8	12	<5.0	<10
trans-1,2-Dichloroethene	ug/l	0.76	2.0J	NM	2.0J	<5.0	<5.0	<5	<5.0	<10
cis-1,2-Dichloroethene	ug/l	74.0	200	NM	180	140	110	120	110	69
1,1,1-Trichloroethane	ug/l	<1.0	<5.0	NM	<5.0	<5.0	<5.0	<5	<5.0	<10
Trichloroethene	ug/l	51	48	NM	47	30	28	42	24	22
Tetrachloroethene	ug/l	210	280	NM	210	230	210	300	180	150
Methylene Chloride	ug/l	<1.0	<5.0	NM	2.0JB	<5.0	<5.0	<5	<5.0	<10
Chloroethane	ug/l	<1.0	<5.0	NM	<5.0	<5.0	<5.0	<5	<5.0	<10
1,1-Dichloroethene	ug/l	<1.0	<5.0	NM	<5.0	<5.0	<5.0	<5	<5.0	<10
<b>Total VOCs</b>		<b>336.8</b>	<b>532</b>		<b>457</b>	<b>405</b>	<b>356</b>	<b>474</b>	<b>314</b>	<b>241</b>

**Table 18**

**Summary of MW-10 Ground Water Sampling Analytical Results**  
**HRC Indicator Parameters & VOCs**  
**Revonak Dry Cleaners Site No. 356021**

WELL MW-10	Analyte	Units	DATE								
			08/30/05	8/31/06	9/11/06	12/14/06	3/28/07	6/21/07	8/30/07	8/30/2007 (duplicate)	3/7/08
Sulfate	mg/L	NM	NM	136	8.17	192	30.9	40.2	NA	410	57.2
Nitrate	mg/L	NM	NM	0.48	<0.05	0.41	<0.05	0.08	NA	1.22	0.10
Total Iron	ug/L	NM	NM	5,690	9,550	1,630	2,450	11,800	NA	1.39	8.12
Dissolved Iron	ug/L	NM	NM	7	24	39	157	268	NA	0.006	0.389
Total Manganese	ug/L	NM	NM	382	NM	3,510	6,370	13,400	NA	0.617	5.80
Dissolved Manganese	ug/L	NM	NM	<5.0	NM	2,690	5,480	5,390	NA	0.607	5.50
Carbon Dioxide	mg/L	NM	NM	18.6	NM	22.7	51.7	86.2	NA	64.7	60.4
Ethene	ug/L	NM	NM	<10.0	NM	16.2	10.6	14.6	NA	<10	<10.0
Ethane	ug/L	NM	NM	<10.0	NM	<10.0	<10.0	10.8	NA	<10	<10.0
Methane	ug/L	NM	NM	50.2	NM	142	134	109	NA	<10	91.4
Total Organic Carbon	mg/L	NM	NM	<1.0	9.1	2.5	4.9	4.6	NA	11	2.0
<b>VOCs</b>											
Vinyl Chloride	ug/l	1.7	<5.0	NM	31	24	29	53	56	<5.0	<50
trans-1,2-Dichloroethene	ug/l	2.3	NM	NM	6J	<5.0	<5.0	<5	<25	<5.0	<50
cis-1,2-Dichloroethene	ug/l	420	140	NM	690	220	330	550	580	35	890
1,1,1-Trichloroethane	ug/l	0.59J	<5.0	NM	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<50
Trichloroethene	ug/l	66	13	NM	23	13	23	<5	<25	<5.0	<50
Tetrachloroethene	ug/l	380	97	NM	70	66	67	80	75	11	84
1,1-Dichloroethene	ug/l	<1.0	<5.0	NM	<5.0	<5.0	<5.0	<5	<25	<5.0	<50
Chloroethane	ug/l	<1.0	<5.0	NM	<5.0	7	29	<5	<25	<5.0	<50
<b>Total VOCs</b>		<b>870.6</b>	<b>250</b>		<b>820</b>	<b>330</b>	<b>478</b>	<b>683</b>	<b>711</b>	<b>46</b>	<b>974</b>

**Table 19**

**Summary of MW-11 Ground Water Sampling Analytical Results**  
**HRC Indicator Parameters & VOCs**  
**Revonak Dry Cleaners Site No. 356021**

WELL MW-11		DATE							
Analyte	Units	8/31/06	9/7/06	12/14/06	3/28/07	6/21/07	8/30/07	3/7/08	9/25/08
Sulfate	mg/L	NM	45.6	8.27	34.1	44.8	188	47.7	40.1
Nitrate	mg/L	NM	0.12	<0.05	<0.05	<0.05	28	<0.05	<0.05
Total Iron	ug/L	NM	16,100	7,590	2,100	819	543	4.17	6.76
Dissolved Iron	ug/L	NM	75	24	1360	692	354	0.035	0.005
Total Manganese	ug/L	NM	3,480	NM	7,790	6,990	8,430	7.3	11.4
Dissolved Manganese	ug/L	NM	896	NM	7750	6770	8,210	5.96	5.51
Carbon Dioxide	mg/L	NM	18.6	NM	22.7	72.4	103	53.9	51.7
Ethene	ug/L	NM	<10.0	NM	12.8	<10.0	<10	<10	<10.0
Ethane	ug/L	NM	<10.0	NM	30	<10.0	<10	<10	<10.0
Methane	ug/L	NM	360	NM	984	131	124	34.9	<10.0
Total Organic Carbon	mg/L	NM	4.6	3.9	2.6	3.9	5.8	5.5	2.2
<b>VOCs</b>									
Vinyl Chloride	ug/l	8	NM	3.0J	8	<5.0	5	16	17
trans-1,2-Dichloroethene	ug/l	NM	NM	1.0J	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene	ug/l	140	NM	35	54	16	17	84	140
1,1,1-Trichloroethane	ug/l	<5.0	NM	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethene	ug/l	6	NM	3.0J	<5.0	<5.0	<5.0	5	6
Tetrachloroethene	ug/l	37	NM	7	14	6	<5.0	18	14
1,1-Dichloroethene	ug/l	<5.0	NM	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane	ug/l	<5.0	NM	2.0J	<5.0	<5.0	<5.0	<5.0	<5.0
<b>Total VOCs</b>		<b>191</b>		<b>51</b>	<b>76</b>	<b>22</b>	<b>22</b>	<b>123</b>	<b>177</b>

**Table 20**

**Summary of MW-12 Ground Water Sampling Analytical Results**  
**HRC Indicator Parameters & VOCs**  
**Revonak Dry Cleaners Site No. 356021**

WELL MW-12	Analyte	Units	DATE						
			8/31/06	9/7/06	12/14/06	3/28/07	6/21/07	8/30/07	3/7/08
Sulfate	mg/L	NM	42.6	21.0	28.8	36.7	43.7	47.1	46.0
Nitrate	mg/L	NM	<0.05	<0.05	0.52	<0.05	0.31	1.36	<0.05
Total Iron	ug/L	NM	24,800	7490	464	1200	3,380	0.449	4.90
Dissolved Iron	ug/L	NM	455	27	45	166	121	<0.005	0.048
Total Manganese	ug/L	NM	6,290	NM	1230	2490	4,270	1.89	11.2
Dissolved Manganese	ug/L	NM	2,710	NM	1030	2360	3,990	1.91	8.85
Carbon Dioxide	mg/L	NM	10.3	NM	10.3	41.4	86.2	64.7	34.4
Ethene	ug/L	NM	<10.0	NM	<10.0	<10.0	<10	<10	<10.0
Ethane	ug/L	NM	<10.0	NM	<10.0	<10.0	<10	<10	<10.0
Methane	ug/L	NM	19.6	NM	19.1	78.6	15.1	<10	<10.0
Total Organic Carbon	mg/L	NM	3.0	2.9	2.4	5.1	3.6	11	1.7
<b>VOCs</b>									
Vinyl Chloride	ug/l	5.0J	NM	5	<5.0	<5.0	56	5	<50
trans-1,2-Dichloroethene	ug/l	1.0J	NM	3.0J	<5.0	<5.0	<5.0	<5.0	<50
cis-1,2-Dichloroethene	ug/l	230	NM	580	400	670	850	24	620
1,1,1-Trichloroethane	ug/l	<5.0	NM	<5.0	<5.0	<5.0	<5.0	<5.0	<50
Trichloroethene	ug/l	80	NM	81	34	43	48	21	<50
Tetrachloroethene	ug/l	510	NM	170	120	140	140	65	97
1,1-Dichloroethene	ug/l	<5.0	NM	1.0J	<5.0	<5.0	<5.0	<5.0	<50
Chloroethane	ug/l	<5.0	NM	<5.0	<5.0	<5.0	<5.0	<5.0	<50
<b>Total VOCs</b>		<b>826</b>		<b>840</b>	<b>554</b>	<b>853</b>	<b>1,094</b>	<b>110</b>	<b>717</b>

**TABLE 21**  
**Ground Water Elevations**  
**Ground Water Monitoring Program**  
**New Paltz Plaza**

Well ID	Measuring Point Elevation	<u>7-Mar-08</u>	
		Depth to Water (ft.)	Water Level Elevation
MW-1	97.90	2.33	95.57
MW-2	97.31	3.99	93.32
MW-3	97.62	3.71	93.91
MW-4	95.70	4.05	91.65
MW-6	96.90	4.83	92.07
MW-7	94.95	3.95	91.00
MW-8	92.40	Destroyed	NM
MW-9	92.04	4.16	87.88
MW-10	91.50	9.41	82.09
MW-11	92.52	11.07	81.45
MW-12	91.54	9.16	82.38
BR-1	96.78	4.22	92.56
BR-2	94.95	3.98	90.97
BR-3	91.77	Abandoned	NM
BR-4	91.37	12.91	78.46

Notes:

1. Measuring point elevations are from 1/20/98 survey data, except for MW-11 and MW-12. MW-11 and MW-12 were surveyed on 8/30/2007. Elevations are relative to an arbitrary site datum of 100 feet.
2. NM = Not Measured.

**TABLE 22**  
**Vertical Hydraulic Gradient Calculations**  
**September 25, 2008**  
**Ground Water Monitoring Program**  
**New Paltz Plaza**

Well ID	Measurement Date	Screen Center Elevation	Open Hole Center Elevation	Difference In Elevation	Water Level Elevation	Head Differential	Vertical Hydraulic Gradient
MW-6	9/25/2008	91.80	-	10.02	92.07	-0.49	-0.049 (upward gradient)
BR-1	9/25/2008	-	81.78		92.56		
MW-7	9/25/2008	88.65	-	8.05	91.00	0.03	0.004 (downward gradient)
BR-2	9/25/2008	-	80.60		90.97		
MW-10	9/25/2008	78.35	-	21.98	82.09	3.63	0.165 (downward gradient)
BR-4	9/25/2008	-	56.37		78.46		

Table 23

**Summary of Soil Gas Sampling Analytical Results**  
**Revonak Dry Cleaners Site No. 356021**

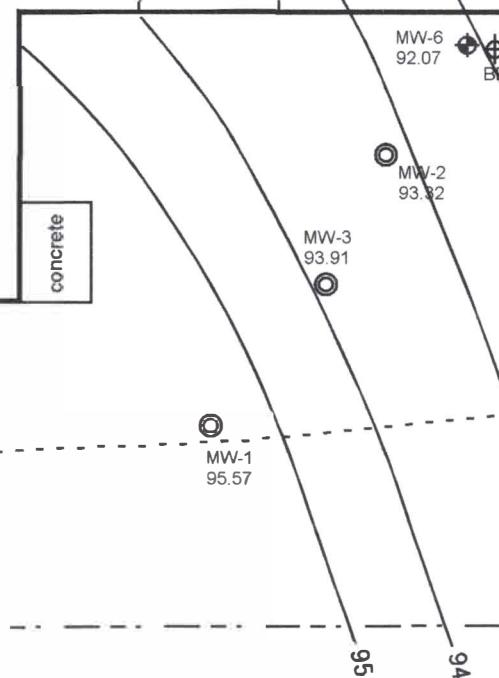
PARAMETER	9/11/06				3/28/07				8/30/07			
	SV-1		SV-2		SV-1		SV-2		SV-1		SV-2	
	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
1,2,4-Trimethylbenzene	ND<6.9	ND<25.9	ND<6.98	ND<26.2	2	10	2	10	ND<8.2	ND<41.0	ND<3.8	ND<19.2
1,3,5-Trimethylbenzene	ND<6.9	ND<25.9	ND<6.98	ND<26.2	ND<0.96	ND<3.59	0.5	2.5	ND<8.2	ND<41.0	ND<3.8	ND<19.2
2,2,4-Trimethylpentane	900	4,280	540	2,570	170	808	45	214	330	1570	ND<3.8	ND<18.2
4-Ethyltoluene	ND<6.9	ND<25.9	ND<6.98	ND<26.2	2.6	13	2.6	13	ND<8.2	ND<41.0	ND<3.8	ND<19.2
Acetone	ND<6.9	ND<12.4	63	152	25	60.4	54	131	84	203	41	99.1
Benzene	ND<6.9	ND<16.9	14	45.5	1.7	5.52	2.8	9.1	ND<8.2	ND<26.6	ND<3.8	ND<12.5
Carbon Disulfide	ND<6.9	ND<16.6	700	2,220	ND<0.96	ND<2.29	3	9.5	ND<8.2	ND<25.8	11	34.8
cis-1,2-Dichloroethylene	95	383	89	359	29	117	ND<0.39	117	250	1010	25	101
n-Hexane	68	243	ND<6.98	ND<18.8	ND<0.96	ND<2.58	ND<0.39	ND<1.06	44	157	ND<3.8	ND<13.8
o-Xylene	ND<6.9	ND<22.8	ND<6.98	ND<23	ND<0.96	ND<3.15	0.7	3.09	ND<8.2	ND<36.1	ND<3.8	ND<16.9
p- & m-Xylenes	ND<6.9	ND<22.8	ND<6.98	ND<23	ND<0.96	ND<3.15	0.7	3.09	ND<8.2	ND<36.1	ND<3.8	ND<16.9
Propylene	1300	2270	770	1,350	ND<0.96	ND<1.24	ND<0.39	ND<0.512	ND<8.2	ND<14.3	ND<3.8	ND<6.71
Styrene	ND<6.9	ND<22.4	ND<6.98	ND<22.7	1.1	4.77	0.9	3.9	ND<8.2	ND<35.7	ND<3.8	ND<16.7
Tetrachloroethylene	31	214	540	3,720	4.1	28.3	67	462	28	193	580	4000
Toluene	13	49.8	410	1,570	1.7	6.52	1.9	7.28	ND<8.2	ND<31.6	ND<3.8	ND<14.8
Trichloroethylene	14	76.5	87	476	2.5	13.7	5.9	32.3	36	200	80	437
Trichlorofluoromethane	ND<6.9	ND<39.4	ND<6.98	ND<39.8	ND<0.96	ND<5.45	1.7	9.71	ND<8.2	ND<46.7	15	85.7
Vinyl Chloride	98	255	ND<6.98	ND<18.1	180	468	ND<0.39	ND<1.02	1100	2860	ND<3.8	ND<9.96
Total VOCs	<b>2,519</b>	7,771	<b>3,213</b>	12,463	<b>420</b>	1,535	<b>189</b>	1,027	<b>1,872</b>	6,193	<b>752</b>	4,758

PARAMETER	3/7/08				9/25/08			
	SV-1		SV-2		SV-1		SV-2	
	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
1,2,4-Trimethylbenzene	ND<0.53	ND<2.65	ND<0.37	ND<1.85	ND<2.2	ND<10.9	ND<2.1	ND<10.7
1,3,5-Trimethylbenzene	ND<0.53	ND<2.65	ND<0.37	ND<1.85	ND<2.2	ND<10.9	ND<2.1	ND<10.7
2,2,4-Trimethylpentane	ND<0.53	ND<2.52	ND<0.37	ND<1.76	2.6	12	3.1	14
4-Ethyltoluene	ND<0.53	ND<2.65	ND<0.37	ND<1.85	ND<2.2	ND<10.9	ND<2.1	ND<10.7
Acetone	ND<0.53	ND<1.27	ND<0.37	ND<0.888	15	36	15	36
Benzene	ND<0.53	ND<1.72	ND<0.37	ND<1.20	ND<2.2	ND<7.05	ND<2.1	ND<6.98
Carbon Disulfide	ND<0.53	ND<1.67	ND<0.37	ND<1.17	ND<2.2	ND<6.84	ND<2.1	ND<6.77
cis-1,2-Dichloroethylene	ND<0.53	ND<2.15	ND<0.37	ND<1.50	58	230	17	69
n-Hexane	ND<0.53	ND<1.91	ND<0.37	ND<1.33	ND<2.2	ND<7.81	ND<2.1	ND<7.73
o-Xylene	ND<0.53	ND<2.33	ND<0.37	ND<1.63	ND<2.2	ND<9.55	ND<2.1	ND<9.45
p- & m-Xylenes	ND<0.53	ND<2.33	ND<0.37	ND<1.63	ND<2.2	ND<9.55	ND<2.1	ND<9.45
Propylene	ND<0.53	ND<0.928	ND<0.37	ND<0.647	ND<2.2	ND<3.80	ND<2.1	ND<3.76
Styrene	ND<0.53	ND<2.31	ND<0.37	ND<1.61	ND<2.2	ND<9.44	ND<2.1	ND<9.34
Tetrachloroethylene	ND<0.53	ND<3.66	20.85	143.83	2.4	17	310	2100
Toluene	ND<0.53	ND<2.04	ND<0.37	ND<1.42	2.6	10	3.1	ND<8.27
Trichloroethylene	ND<0.53	ND<2.89	1.58	8.64	9.1	50	44	240
Trichlorofluoromethane	ND<0.53	ND<3.02	ND<0.37	ND<2.11	ND<2.2	ND<12.4	12	69
Vinyl Chloride	ND<0.53	ND<1.38	ND<0.37	ND<0.962	920	2400	70	180
Total VOCs	<b>0</b>	0	<b>22.4</b>	152	<b>1,010</b>	2,755	<b>474.2</b>	2,708

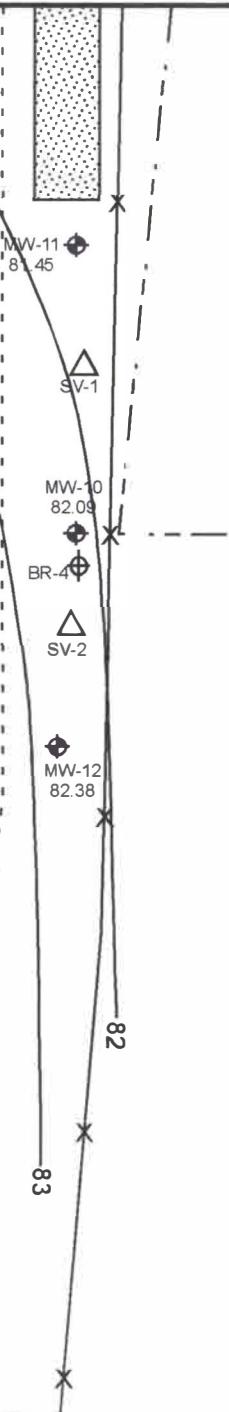
## **FIGURES**

**LEGEND**

- (○) MW-1 MONITORING WELL
- (○) BR-1 BEDROCK MONITORING WELL
- (●) MW-6 OVERBURDEN MONITORING WELL
- (△) SV-1 SOIL VAPOR MONITORING WELL
- (▨) RETENTION BASIN

**—85— OVERBURDEN GROUND WATER CONTOUR**Approximate  
N**Stop & Shop****New Paltz Plaza  
Two-Story Block Building****Former  
Revonak  
Cleaners****Edge of Pavement****Property Boundary**

Source: "Survey prepared for New Paltz Plaza Associates" Dated 4/17/86 by John H. Dippel and "Groundwater Contour Map" dated 9/91 by Environmental Products & Services, Inc.

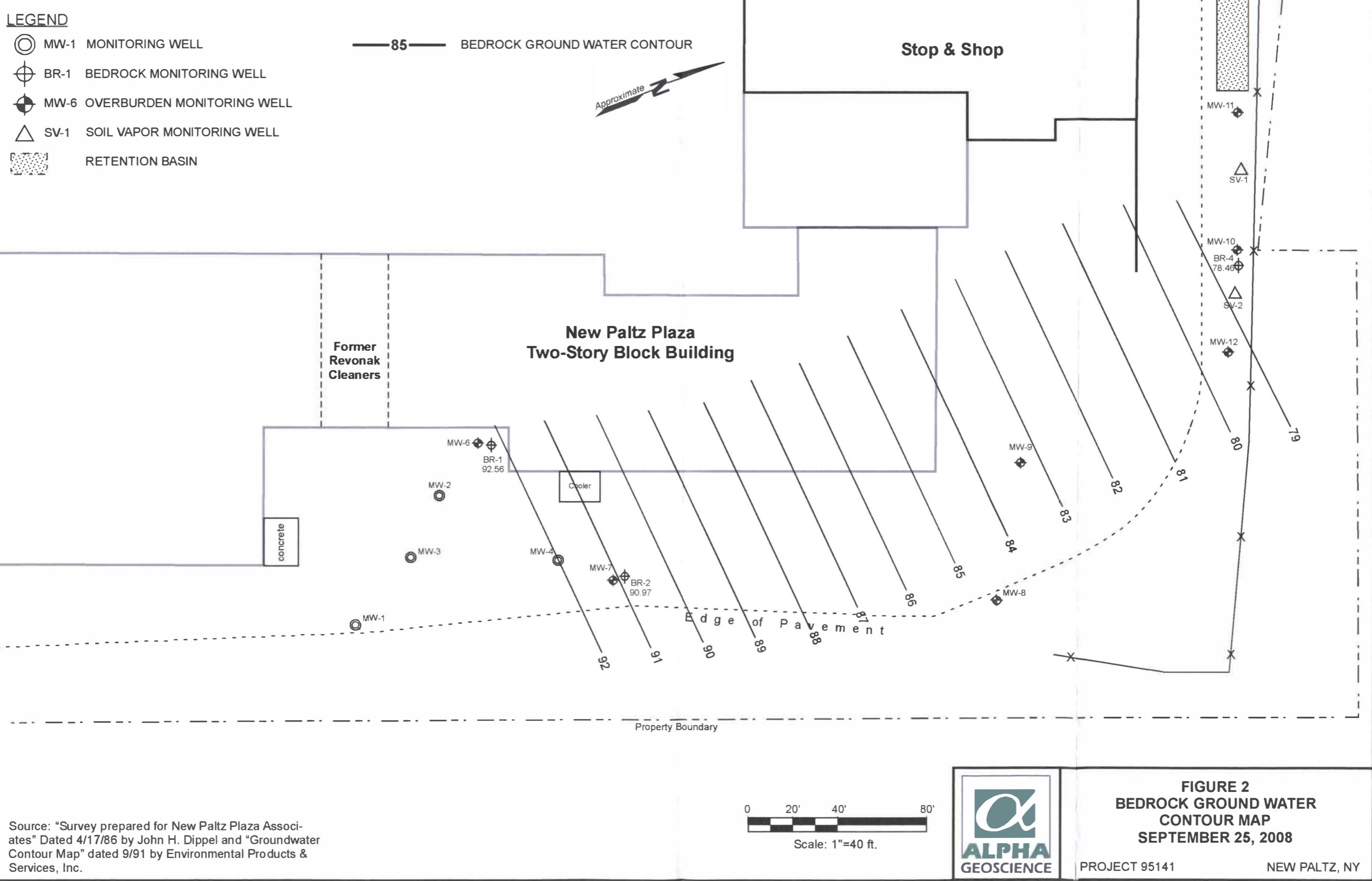


**FIGURE 1**  
**OVERBURDEN GROUND WATER**  
**CONTOUR MAP**  
**SEPTEMBER 25, 2008**

PROJECT 95141

NEW PALTZ, NY





**APPENDIX A**  
**LABORATORY ANALYTICAL RESULTS**



# Technical Report

prepared for:

**Alpha Geoscience  
679 Plank Road  
Clifton Park, NY 12065  
Attention: Tom Johnson**

Report Date: 3/24/2008  
**Re: Client Project ID: 95141 / New Paltz Plaza**  
York Project No.: 08030274

CT License No. PH-0723

New Jersey License No. CT-005

New York License No. 10854



Report Date: 3/24/2008  
Client Project ID: 95141 / New Paltz Plaza  
York Project No.: 08030274

**Alpha Geoscience**  
679 Plank Road  
Clifton Park, NY 12065  
Attention: Tom Johnson

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 03/10/08. The project was identified as your project "95141 / New Paltz Plaza".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## ***Analysis Results***

Client Sample ID			MW-2		MW-6	
York Sample ID			08030274-01		08030274-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0

**YORK**

Client Sample ID			MW-2		MW-6	
York Sample ID			08030274-01		08030274-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloroethylene (Total)			60(cis-)	5.0	Not detected	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1-Chlorohexane			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			13	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
MTBE			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			84	5.0	Not detected	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			9	5.0	Not detected	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			20	5.0	6	5.0
Gases, Target List	GC/FID	ppb	---	---	---	---
Ethane			Not detected	500	Not detected	10.0
Ethene (Ethylene)			Not detected	500	Not detected	10.0
Methane			2400	500	936	10.0
Carbon Dioxide	SM	mg/L	53.9	1.0	53.9	1.0
Iron, Dissolved	SW846-6010	mg/L	4.18	0.005	1.45	0.005

**YORK**

Client Sample ID		MW-2	<th>MW-6</th> <td></td>	MW-6	
York Sample ID		08030274-01		08030274-02	
Matrix		WATER		WATER	
Parameter	Method	Units	Results	MDL	Results
Iron	SW846-6010	mg/L	5.39	0.005	2.06
Manganese, Dissolved	SW846-6010	mg/L	8.67	0.005	2.95
Manganese	SW846-6010	mg/L	9.17	0.005	3.16
Nitrate	EPA 300/SW9056	mg/L	Not detected	0.05	Not detected
Sulfate	EPA 300/SW9056	mg/L	23.1	1.0	10.8
Total Organic Carbon	EPA 415.1	mg/L	14	1.0	5.2

Client Sample ID		MW-9	<th>MW-10</th> <td></td>	MW-10	
York Sample ID		08030274-03		08030274-04	
Matrix		WATER		WATER	
Parameter	Method	Units	Results	MDL	Results
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected
1,1,1-Trichloroethane			Not detected	5.0	Not detected
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected
1,1,2-Trichloroethane			Not detected	5.0	Not detected
1,1-Dichloroethane			Not detected	5.0	Not detected
1,1-Dichloroethylene			Not detected	5.0	Not detected
1,1-Dichloropropylene			Not detected	5.0	Not detected
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected
1,2,3-Trichloropropane			Not detected	5.0	Not detected
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected
1,2-Dibromoethane			Not detected	5.0	Not detected
1,2-Dichlorobenzene			Not detected	5.0	Not detected
1,2-Dichloroethane			Not detected	5.0	Not detected
1,2-Dichloroethylene (Total)			110(cis-)	5.0	35(cis-)
1,2-Dichloropropane			Not detected	5.0	Not detected
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected
1,3-Dichlorobenzene			Not detected	5.0	Not detected
1,3-Dichloropropane			Not detected	5.0	Not detected
1,4-Dichlorobenzene			Not detected	5.0	Not detected
1-Chlorohexane			Not detected	5.0	Not detected
2,2-Dichloropropane			Not detected	5.0	Not detected
2-Chlorotoluene			Not detected	5.0	Not detected
4-Chlorotoluene			Not detected	5.0	Not detected
Benzene			Not detected	5.0	Not detected
Bromobenzene			Not detected	5.0	Not detected
Bromochloromethane			Not detected	5.0	Not detected
Bromodichloromethane			Not detected	5.0	Not detected
Bromoform			Not detected	5.0	Not detected
Bromomethane			Not detected	5.0	Not detected
Carbon tetrachloride			Not detected	5.0	Not detected
Chlorobenzene			Not detected	5.0	Not detected
Chloroethane			Not detected	5.0	Not detected
Chloroform			Not detected	5.0	Not detected
Chloromethane			Not detected	5.0	Not detected

**YORK**

<b>Client Sample ID</b>			<b>MW-9</b>		<b>MW-10</b>	
<b>York Sample ID</b>			<b>08030274-03</b>		<b>08030274-04</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
MTBE			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			180	5.0	11	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			24	5.0	Not detected	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0
<b>Gases, Target List</b>	<b>GC/FID</b>	<b>ppb</b>	---	---	---	---
Ethane			Not detected	10.0	Not detected	10.0
Ethene (Ethylene)			Not detected	10.0	Not detected	10.0
Methane			Not detected	10.0	Not detected	10.0
Carbon Dioxide	SM	mg/L	64.7	1.0	64.7	1.0
Iron, Dissolved	SW846-6010	mg/L	0.009	0.005	0.006	0.005
Iron	SW846-6010	mg/L	0.465	0.005	1.39	0.005
Manganese, Dissolved	SW846-6010	mg/L	0.871	0.005	0.607	0.005
Manganese	SW846-6010	mg/L	0.913	0.005	0.617	0.005
Nitrate	EPA 300/SW9056	mg/L	0.34	0.05	1.22	0.05
Sulfate	EPA 300/SW9056	mg/L	45.3	1.0	410	50.0
Total Organic Carbon	EPA 415.1	mg/L	7.2	1.0	11	1.0

<b>Client Sample ID</b>			<b>MW-11</b>		<b>MW-12</b>	
<b>York Sample ID</b>			<b>08030274-05</b>		<b>08030274-06</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
<b>Volatiles, 8260 List</b>	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0

**YORK**

Client Sample ID			MW-11		MW-12	
York Sample ID			08030274-05		08030274-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,2-Dichloroethylene (Total)			84(cis-)	5.0	24(cis-)	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1-Chlorohexane			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
MTBE			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			18	5.0	65	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0

**YORK**

Client Sample ID			MW-11		MW-12	
York Sample ID			08030274-05		08030274-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Trichloroethylene			5	5.0	21	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			16	5.0	5	5.0
Gases, Target List	GC/FID	ppb	---	---	---	---
Ethane			Not detected	10.0	Not detected	10.0
Ethene (Ethylene)			Not detected	10.0	Not detected	10.0
Methane			34.9	10.0	Not detected	10.0
Carbon Dioxide	SM	mg/L	53.9	1.0	64.7	1.0
Iron, Dissolved	SW846-6010	mg/L	0.035	0.005	Not detected	0.005
Iron	SW846-6010	mg/L	4.17	0.005	0.449	0.005
Manganese, Dissolved	SW846-6010	mg/L	5.96	0.005	1.91	0.005
Manganese	SW846-6010	mg/L	7.30	0.005	1.89	0.005
Nitrate	EPA 300/SW9056	mg/L	Not detected	0.05	1.36	0.05
Sulfate	EPA 300/SW9056	mg/L	47.7	1.0	47.1	1.0
Total Organic Carbon	EPA 415.1	mg/L	5.8	1.0	11	1.0

Client Sample ID			SV-1		SV-2	
York Sample ID			08030274-07		08030274-08	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, TO-15 List	EPA TO15	ppbv	---	---	---	---
1,1,1-Trichloroethane			Not detected	0.53	Not detected	0.37
1,1,2,2-tetrachloroethane			Not detected	0.53	Not detected	0.37
1,1,2-Trichloroethane			Not detected	0.53	Not detected	0.37
1,1-Dichloroethane			Not detected	0.53	Not detected	0.37
1,1-Dichloroethylene			Not detected	0.53	Not detected	0.37
1,2,4-Trichlorobenzene			Not detected	0.53	Not detected	0.37
1,2,4-Trimethylbenzene			Not detected	0.53	Not detected	0.37
1,2-Dibromoethane			Not detected	0.53	Not detected	0.37
1,2-Dichlorobenzene			Not detected	0.53	Not detected	0.37
1,2-Dichloroethane			Not detected	0.53	Not detected	0.37
1,2-Dichloropropane			Not detected	0.53	Not detected	0.37
1,2-Dichlorotetrafluoroethane			Not detected	0.53	Not detected	0.37
1,3,5-Trimethylbenzene			Not detected	0.53	Not detected	0.37
1,3-Butadiene			Not detected	0.53	Not detected	0.37
1,3-Dichlorobenzene			Not detected	0.53	Not detected	0.37
1,4-Dichlorobenzene			Not detected	0.53	Not detected	0.37
2,2,4-Trimethylpentane			Not detected	0.53	Not detected	0.37
4-Ethyltoluene			Not detected	0.53	Not detected	0.37
Acetone			Not detected	0.53	Not detected	0.37
Allyl Chloride			Not detected	0.53	Not detected	0.37
Benzene			Not detected	0.53	Not detected	0.37
Bromodichloromethane			Not detected	0.53	Not detected	0.37
Bromoform			Not detected	0.53	Not detected	0.37
Bromomethane			Not detected	0.53	Not detected	0.37
Carbon Disulfide			Not detected	0.53	Not detected	0.37
Carbon Tetrachloride			Not detected	0.53	Not detected	0.37
Chlorobenzene			Not detected	0.53	Not detected	0.37
Chloroethane			Not detected	0.53	Not detected	0.37

**YORK**

Client Sample ID			SV-1		SV-2	
York Sample ID			08030274-07		08030274-08	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Chloroform			Not detected	0.53	Not detected	0.37
Chloromethane			Not detected	0.53	Not detected	0.37
cis-1,2-Dichloroethylene			Not detected	0.53	Not detected	0.37
cis-1,3-Dichloropropylene			Not detected	0.53	Not detected	0.37
Cyclohexane			Not detected	0.53	Not detected	0.37
Dibromochloromethane			Not detected	0.53	Not detected	0.37
Dichlorodifluoromethane			Not detected	0.53	Not detected	0.37
Ethyl acetate			Not detected	0.53	Not detected	0.37
Ethylbenzene			Not detected	0.53	Not detected	0.37
Freon-113			Not detected	0.53	Not detected	0.37
Hexachloro-1,3-Butadiene			Not detected	0.53	Not detected	0.37
Isopropanol			Not detected	0.53	Not detected	0.37
Methyl Ethyl ketone			Not detected	0.53	Not detected	0.37
Methyl Isobutyl ketone			Not detected	0.53	Not detected	0.37
Methylene Chloride			Not detected	0.53	Not detected	0.37
MTBE			Not detected	0.53	Not detected	0.37
n-Heptane			Not detected	0.53	Not detected	0.37
n-Hexane			Not detected	0.53	Not detected	0.37
o-Xylene			Not detected	0.53	Not detected	0.37
p- & m-Xylenes			Not detected	0.53	Not detected	0.37
Propylene			Not detected	0.53	Not detected	0.37
Styrene			Not detected	0.53	Not detected	0.37
Tetrachloroethylene			Not detected	0.53	20.85	0.37
Tetrahydrofuran			Not detected	0.53	Not detected	0.37
Toluene			Not detected	0.53	Not detected	0.37
trans-1,2-Dichloroethylene			Not detected	0.53	Not detected	0.37
trans-1,3-Dichloropropylene			Not detected	0.53	Not detected	0.37
Trichloroethylene			Not detected	0.53	1.58	0.37
Trichlorofluoromethane			Not detected	0.53	Not detected	0.37
Vinyl acetate			Not detected	0.53	Not detected	0.37
Vinyl Bromide			Not detected	0.53	Not detected	0.37
Vinyl Chloride			Not detected	0.53	Not detected	0.37
<b>Volatiles, TO-15 List</b>	EPA TO15	ug/cu.m.	---	---	---	---
1,1,1-Trichloroethane			Not detected	2.94	Not detected	2.05
1,1,2,2-tetrachloroethane			Not detected	3.71	Not detected	2.59
1,1,2-Trichloroethane			Not detected	2.94	Not detected	2.05
1,1-Dichloroethane			Not detected	2.17	Not detected	1.52
1,1-Dichloroethylene			Not detected	2.15	Not detected	1.50
1,2,4-Trichlorobenzene			Not detected	4.40	Not detected	3.07
1,2,4-Trimethylbenzene			Not detected	2.65	Not detected	1.85
1,2-Dibromoethane			Not detected	4.13	Not detected	2.89
1,2-Dichlorobenzene			Not detected	3.23	Not detected	2.26
1,2-Dichloroethane			Not detected	2.17	Not detected	1.52
1,2-Dichloropropane			Not detected	2.49	Not detected	1.74
1,2-Dichlorotetrafluoroethane			Not detected	2.65	Not detected	1.85
1,3,5-Trimethylbenzene			Not detected	2.65	Not detected	1.85
1,3-Butadiene			Not detected	1.19	Not detected	0.833
1,3-Dichlorobenzene			Not detected	3.23	Not detected	2.26
1,4-Dichlorobenzene			Not detected	3.23	Not detected	2.26
2,2,4-Trimethylpentane			Not detected	2.52	Not detected	1.76
4-Ethyltoluene			Not detected	2.65	Not detected	1.85

**YORK**

Client Sample ID			SV-1		SV-2	
York Sample ID			08030274-07		08030274-08	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Acetone			Not detected	1.27	Not detected	0.888
Allyl Chloride			Not detected	1.70	Not detected	1.18
Benzene			Not detected	1.72	Not detected	1.20
Bromodichloromethane			Not detected	3.60	Not detected	2.52
Bromoform			Not detected	5.57	Not detected	3.88
Bromomethane			Not detected	2.09	Not detected	1.46
Carbon Disulfide			Not detected	1.67	Not detected	1.17
Carbon Tetrachloride			Not detected	3.39	Not detected	2.37
Chlorobenzene			Not detected	2.49	Not detected	1.74
Chloroethane			Not detected	1.43	Not detected	0.999
Chloroform			Not detected	2.62	Not detected	1.83
Chloromethane			Not detected	1.11	Not detected	0.777
cis-1,2-Dichloroethylene			Not detected	2.15	Not detected	1.50
cis-1,3-Dichloropropylene			Not detected	2.62	Not detected	1.83
Cyclohexane			Not detected	1.86	Not detected	1.29
Dibromochloromethane			Not detected	4.58	Not detected	3.20
Dichlorodifluoromethane			Not detected	2.68	Not detected	1.87
Ethyl acetate			Not detected	1.99	Not detected	1.39
Ethylbenzene			Not detected	2.33	Not detected	1.63
Freon-113			Not detected	4.13	Not detected	2.89
Hexachloro-1,3-Butadiene			Not detected	3.76	Not detected	2.63
Isopropanol			Not detected	1.33	Not detected	0.925
Methyl Ethyl ketone			Not detected	1.59	Not detected	1.11
Methyl Isobutyl ketone			Not detected	2.20	Not detected	1.54
Methylene Chloride			Not detected	1.88	Not detected	1.31
MTBE			Not detected	1.93	Not detected	1.35
n-Heptane			Not detected	2.20	Not detected	1.54
n-Hexane			Not detected	1.91	Not detected	1.33
o-Xylene			Not detected	2.33	Not detected	1.63
p- & m-Xylenes			Not detected	2.33	Not detected	1.63
Propylene			Not detected	0.928	Not detected	0.647
Styrene			Not detected	2.31	Not detected	1.61
Tetrachloroethylene			Not detected	3.66	143.83	2.55
Tetrahydrofuran			Not detected	1.59	Not detected	1.11
Toluene			Not detected	2.04	Not detected	1.42
trans-1,2-Dichloroethylene			Not detected	2.15	Not detected	1.50
trans-1,3-Dichloropropylene			Not detected	2.68	Not detected	1.87
Trichloroethylene			Not detected	2.89	8.64	2.02
Trichlorofluoromethane			Not detected	3.02	Not detected	2.11
Vinyl acetate			Not detected	1.91	Not detected	1.33
Vinyl Bromide			Not detected	2.36	Not detected	1.65
Vinyl Chloride			Not detected	1.38	Not detected	0.962

**Units Key:** For Waters/Liquids: mg/L = ppm ; ug/L = ppb      For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

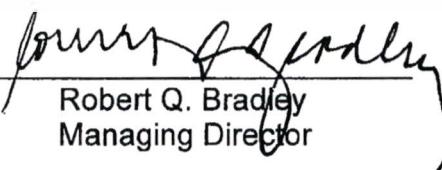
**YORK**

Report Date: 3/24/2008  
Client Project ID: 95141 / New Paltz Plaza  
York Project No.: 08030274

**Notes for York Project No. 08030274**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that the TOC analyses reported herein were subcontracted to Phoenix Env. Laboratories, Manchester, CT.

Approved By:

  
Robert Q. Bradley  
Managing Director

Date: 3/24/2008

**YORK**

**YORK**

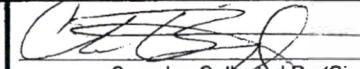
ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06615  
(203) 325-1371 FAX (203) 357-0166

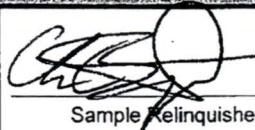
08030274

Page 1 of 1

**Field Chain-of-Custody Record**

Company Name	Report To:	Invoice To:	Project ID/No.		
Alpha Geoscience 679 Plank Rd Clifton Park, NY 12065	Tom Johnson (518)348-6995 tjohnson@alphageoscience.com	Tom Johnson	New Paltz Plaza/95141		
				Samples Collected By (Signature)	
Sample No.	Location/ID	Date Sampled	Sample Matrix	ANALYSES REQUESTED	
			Water Sol Air OTHER		
MW-2		3/7/08	GW	VOCs, methane/ethene/ethane, Sulfate, Nitrate, CO <sub>2</sub> , TOC, Dissolved + Total Fe/Mn	1L Plastic 2-250ml Plastic
MW-6			GW	"	7-40mL VOA
MW-9			GW	"	"
MW-10			GW	"	"
MW-11			GW	"	"
MW-12			GW	"	"
SV-1			<del>SV</del>	TO-15A	6L Summa
SV-2			SV	TO-15A	6L Summa

**Chain-of-Custody Record**

Bottles Relinquished from Lab by	Date/Time		3-7-08	3-7-08
			15:40	15:40
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received by
Comments/Special Instructions			3-7-08	3-10-08 12:45
			Turn-Around Time	Date/Time
			Standard	RUSH(define)

**YORK**  
ANALYTICAL LABORATORIES, INC.



# Technical Report

prepared for:

**Alpha Geoscience  
679 Plank Road  
Clifton Park, NY 12065  
Attention: Tom Johnson**

Report Date: 10/22/2008  
**Re: Client Project ID: New Paltz Plaza / 95141**  
York Project No.: 08100475

CT License No. PH-0723

New Jersey License No. CT-005

New York License No. 10854



Report Date: 10/22/2008  
Client Project ID: New Paltz Plaza / 95141  
York Project No.: 08100475

**Alpha Geoscience**  
679 Plank Road  
Clifton Park, NY 12065  
Attention: Tom Johnson

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 09/26/08. The project was identified as your project "New Paltz Plaza / 95141".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

Client Sample ID			MW-1		MW-2	
York Sample ID			08100475-01		08100475-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	25
1,1,1-Trichloroethane			Not detected	5.0	Not detected	25
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	25
1,1,2-Trichloroethane			Not detected	5.0	Not detected	25
1,1-Dichloroethane			Not detected	5.0	Not detected	25
1,1-Dichloroethylene			Not detected	5.0	Not detected	25
1,1-Dichloropropylene			Not detected	5.0	Not detected	25
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	25
1,2,3-Trichloropropane			Not detected	5.0	Not detected	25
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	25
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	25
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	25
1,2-Dibromoethane			Not detected	5.0	Not detected	25
1,2-Dichlorobenzene			Not detected	5.0	Not detected	25
1,2-Dichloroethane			Not detected	5.0	Not detected	25
1,2-Dichloroethylene (Total)			Not detected	5.0	900(cis-)	25

**YORK**

<b>Client Sample ID</b>			<b>MW-1</b>		<b>MW-2</b>	
<b>York Sample ID</b>			<b>08100475-01</b>		<b>08100475-02</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
1,2-Dichloropropane			Not detected	5.0	Not detected	25
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	25
1,3-Dichlorobenzene			Not detected	5.0	Not detected	25
1,3-Dichloropropane			Not detected	5.0	Not detected	25
1,4-Dichlorobenzene			Not detected	5.0	Not detected	25
2,2-Dichloropropane			Not detected	5.0	Not detected	25
2-Chlorotoluene			Not detected	5.0	Not detected	25
4-Chlorotoluene			Not detected	5.0	Not detected	25
Benzene			Not detected	5.0	Not detected	25
Bromobenzene			Not detected	5.0	Not detected	25
Bromochloromethane			Not detected	5.0	Not detected	25
Bromodichloromethane			Not detected	5.0	Not detected	25
Bromoform			Not detected	5.0	Not detected	25
Bromomethane			Not detected	5.0	Not detected	25
Carbon tetrachloride			Not detected	5.0	Not detected	25
Chlorobenzene			Not detected	5.0	Not detected	25
Chloroethane			Not detected	5.0	Not detected	25
Chloroform			Not detected	5.0	Not detected	25
Chloromethane			Not detected	5.0	Not detected	25
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	25
Dibromochloromethane			Not detected	5.0	Not detected	25
Dibromomethane			Not detected	5.0	Not detected	25
Dichlorodifluoromethane			Not detected	5.0	Not detected	25
Ethylbenzene			Not detected	5.0	Not detected	25
Hexachlorobutadiene			Not detected	5.0	Not detected	25
Isopropylbenzene			Not detected	5.0	Not detected	25
Methylene chloride			Not detected	5.0	Not detected	25
MTBE			Not detected	5.0	Not detected	25
Naphthalene			Not detected	5.0	Not detected	25
n-Butylbenzene			Not detected	5.0	Not detected	25
n-Propylbenzene			Not detected	5.0	Not detected	25
o-Xylene			Not detected	5.0	Not detected	25
p- & m-Xylenes			Not detected	5.0	Not detected	25
p-Isopropyltoluene			Not detected	5.0	Not detected	25
sec-Butylbenzene			Not detected	5.0	Not detected	25
Styrene			Not detected	5.0	Not detected	25
tert-Butylbenzene			Not detected	5.0	Not detected	25
Tetrachloroethylene			Not detected	5.0	480	25
Toluene			Not detected	5.0	38	25
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	25
Trichloroethylene			Not detected	5.0	Not detected	25
Trichlorofluoromethane			Not detected	5.0	Not detected	25
Vinyl chloride			Not detected	5.0	300	25

**YORK**

<b>Client Sample ID</b>			<b>MW-2</b>	
<b>York Sample ID</b>			<b>08091030-02</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
<b>Gases, Target List</b>	GC/FID	ppb	---	---
Ethane			Not detected	100
Ethene (Ethylene)			Not detected	100
Methane			1600	100
Carbon Dioxide	SM	mg/L	60.4	1.0
Iron, Dissolved	SW846-6010	mg/L	1.83	0.005
Iron	SW846-6010	mg/L	3.28	0.005
Manganese, Dissolved	SW846-6010	mg/L	6.07	0.005
Manganese	SW846-6010	mg/L	6.38	0.005
Nitrate	EPA 300/SW9056	mg/L	Not detected	0.05
Sulfate	EPA 300/SW9056	mg/L	45.2	1.0
Total Organic Carbon	EPA 415.1	mg/L	4.1	1.0

<b>Client Sample ID</b>			<b>MW-4</b>		<b>MW-5</b>	
<b>York Sample ID</b>			<b>08100475-03</b>		<b>08100475-04</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
<b>Volatiles, 8260 List</b>	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	25
1,1,1-Trichloroethane			Not detected	5.0	Not detected	25
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	25
1,1,2-Trichloroethane			Not detected	5.0	Not detected	25
1,1-Dichloroethane			Not detected	5.0	Not detected	25
1,1-Dichloroethylene			Not detected	5.0	Not detected	25
1,1-Dichloropropylene			Not detected	5.0	Not detected	25
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	25
1,2,3-Trichloropropane			Not detected	5.0	Not detected	25
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	25
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	25
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	25
1,2-Dibromoethane			Not detected	5.0	Not detected	25
1,2-Dichlorobenzene			Not detected	5.0	Not detected	25
1,2-Dichloroethane			Not detected	5.0	Not detected	25
1,2-Dichloroethylene (Total)			98(cis-)	5.0	800(cis-)	25
1,2-Dichloropropane			Not detected	5.0	Not detected	25
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	25
1,3-Dichlorobenzene			Not detected	5.0	Not detected	25
1,3-Dichloropropane			Not detected	5.0	Not detected	25
1,4-Dichlorobenzene			Not detected	5.0	Not detected	25
2,2-Dichloropropane			Not detected	5.0	Not detected	25
2-Chlorotoluene			Not detected	5.0	Not detected	25
4-Chlorotoluene			Not detected	5.0	Not detected	25
Benzene			Not detected	5.0	Not detected	25
Bromobenzene			Not detected	5.0	Not detected	25
Bromochloromethane			Not detected	5.0	Not detected	25
Bromodichloromethane			Not detected	5.0	Not detected	25
Bromoform			Not detected	5.0	Not detected	25
Bromomethane			Not detected	5.0	Not detected	25
Carbon tetrachloride			Not detected	5.0	Not detected	25

**YORK**

<b>Client Sample ID</b>			<b>MW-4</b>		<b>MW-5</b>	
<b>York Sample ID</b>			<b>08100475-03</b>		<b>08100475-04</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
Chlorobenzene			Not detected	5.0	Not detected	25
Chloroethane			Not detected	5.0	Not detected	25
Chloroform			Not detected	5.0	Not detected	25
Chloromethane			Not detected	5.0	Not detected	25
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	25
Dibromochloromethane			Not detected	5.0	Not detected	25
Dibromomethane			Not detected	5.0	Not detected	25
Dichlorodifluoromethane			Not detected	5.0	Not detected	25
Ethylbenzene			Not detected	5.0	Not detected	25
Hexachlorobutadiene			Not detected	5.0	Not detected	25
Isopropylbenzene			Not detected	5.0	Not detected	25
Methylene chloride			Not detected	5.0	Not detected	25
MTBE			Not detected	5.0	Not detected	25
Naphthalene			Not detected	5.0	Not detected	25
n-Butylbenzene			Not detected	5.0	Not detected	25
n-Propylbenzene			Not detected	5.0	Not detected	25
o-Xylene			Not detected	5.0	Not detected	25
p- & m-Xylenes			Not detected	5.0	Not detected	25
p-Isopropyltoluene			Not detected	5.0	Not detected	25
sec-Butylbenzene			Not detected	5.0	Not detected	25
Styrene			Not detected	5.0	Not detected	25
tert-Butylbenzene			Not detected	5.0	Not detected	25
Tetrachloroethylene			67	5.0	90	25
Toluene			Not detected	5.0	Not detected	25
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	25
Trichloroethylene			15	5.0	26	25
Trichlorofluoromethane			Not detected	5.0	Not detected	25
Vinyl chloride			21	5.0	Not detected	25

<b>Client Sample ID</b>			<b>MW-6</b>		<b>MW-7</b>	
<b>York Sample ID</b>			<b>08100475-05</b>		<b>08100475-06</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
<b>Volatiles, 8260 List</b>	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0

**YORK**

<b>Client Sample ID</b>			<b>MW-6</b>		<b>MW-7</b>	
<b>York Sample ID</b>			<b>08100475-05</b>		<b>08100475-06</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
1,2-Dichloroethylene (Total)			9(cis-)	5.0	24(cis-)	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
MTBE			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	7	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	5	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			10	5.0	Not detected	5.0

**YORK**

<b>Client Sample ID</b>			<b>MW-6</b>	
<b>York Sample ID</b>			<b>08091030-05</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
<b>Gases, Target List</b>	GC/FID	ppb	---	---
Ethane			Not detected	100
Ethene (Ethylene)			Not detected	100
Methane			1100	100
Carbon Dioxide	SM	mg/L	51.7	1.0
Iron, Dissolved	SW846-6010	mg/L	0.524	0.005
Iron	SW846-6010	mg/L	2.76	0.005
Manganese, Dissolved	SW846-6010	mg/L	3.64	0.005
Manganese	SW846-6010	mg/L	4.12	0.005
Nitrate	EPA 300/SW9056	mg/L	Not detected	0.05
Sulfate	EPA 300/SW9056	mg/L	3.13	1.0
Total Organic Carbon	EPA 415.1	mg/L	2.9	1.0

<b>Client Sample ID</b>			<b>MW-9</b>		<b>MW-10</b>	
<b>York Sample ID</b>			<b>08100475-07</b>		<b>08100475-08</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
<b>Volatiles, 8260 List</b>	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10	Not detected	50
1,1,1-Trichloroethane			Not detected	10	Not detected	50
1,1,2,2-Tetrachloroethane			Not detected	10	Not detected	50
1,1,2-Trichloroethane			Not detected	10	Not detected	50
1,1-Dichloroethane			Not detected	10	Not detected	50
1,1-Dichloroethylene			Not detected	10	Not detected	50
1,1-Dichloropropylene			Not detected	10	Not detected	50
1,2,3-Trichlorobenzene			Not detected	10	Not detected	50
1,2,3-Trichloropropane			Not detected	10	Not detected	50
1,2,4-Trichlorobenzene			Not detected	10	Not detected	50
1,2,4-Trimethylbenzene			Not detected	10	Not detected	50
1,2-Dibromo-3-chloropropane			Not detected	10	Not detected	50
1,2-Dibromoethane			Not detected	10	Not detected	50
1,2-Dichlorobenzene			Not detected	10	Not detected	50
1,2-Dichloroethane			Not detected	10	Not detected	50
1,2-Dichloroethylene (Total)			69(cis-)	10	890(cis-)	50
1,2-Dichloropropane			Not detected	10	Not detected	50
1,3,5-Trimethylbenzene			Not detected	10	Not detected	50
1,3-Dichlorobenzene			Not detected	10	Not detected	50
1,3-Dichloropropane			Not detected	10	Not detected	50
1,4-Dichlorobenzene			Not detected	10	Not detected	50
2,2-Dichloropropane			Not detected	10	Not detected	50
2-Chlorotoluene			Not detected	10	Not detected	50
4-Chlorotoluene			Not detected	10	Not detected	50
Benzene			Not detected	10	Not detected	50
Bromobenzene			Not detected	10	Not detected	50
Bromochloromethane			Not detected	10	Not detected	50
Bromodichloromethane			Not detected	10	Not detected	50
Bromoform			Not detected	10	Not detected	50
Bromomethane			Not detected	10	Not detected	50

**YORK**

<b>Client Sample ID</b>			<b>MW-9</b>		<b>MW-10</b>	
<b>York Sample ID</b>			<b>08100475-07</b>		<b>08100475-08</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
Carbon tetrachloride			Not detected	10	Not detected	50
Chlorobenzene			Not detected	10	Not detected	50
Chloroethane			Not detected	10	Not detected	50
Chloroform			Not detected	10	Not detected	50
Chloromethane			Not detected	10	Not detected	50
cis-1,3-Dichloropropylene			Not detected	10	Not detected	50
Dibromochloromethane			Not detected	10	Not detected	50
Dibromomethane			Not detected	10	Not detected	50
Dichlorodifluoromethane			Not detected	10	Not detected	50
Ethylbenzene			Not detected	10	Not detected	50
Hexachlorobutadiene			Not detected	10	Not detected	50
Isopropylbenzene			Not detected	10	Not detected	50
Methylene chloride			Not detected	10	Not detected	50
MTBE			Not detected	10	Not detected	50
Naphthalene			Not detected	10	Not detected	50
n-Butylbenzene			Not detected	10	Not detected	50
n-Propylbenzene			Not detected	10	Not detected	50
o-Xylene			Not detected	10	Not detected	50
p- & m-Xylenes			Not detected	10	Not detected	50
p-Isopropyltoluene			Not detected	10	Not detected	50
sec-Butylbenzene			Not detected	10	Not detected	50
Styrene			Not detected	10	Not detected	50
tert-Butylbenzene			Not detected	10	Not detected	50
Tetrachloroethylene			150	10	84	50
Toluene			Not detected	10	Not detected	50
trans-1,3-Dichloropropylene			Not detected	10	Not detected	50
Trichloroethylene			22	10	Not detected	50
Trichlorofluoromethane			Not detected	10	Not detected	50
Vinyl chloride			Not detected	10	Not detected	50

<b>Client Sample ID</b>			<b>MW-9</b>		<b>MW-10</b>	
<b>York Sample ID</b>			<b>08091030-07</b>		<b>08091030-08</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
<b>Gases, Target List</b>	GC/FID	ppb	---	---	---	---
Ethane			Not detected	10.0	Not detected	10.0
Ethene (Ethylene)			Not detected	10.0	Not detected	10.0
Methane			15.1	10.0	91.4	10.0
Carbon Dioxide	SM	mg/L	43.1	1.0	60.4	1.0
Iron, Dissolved	SW846-6010	mg/L	0.005	0.005	0.389	0.005
Iron	SW846-6010	mg/L	5.77	0.005	8.12	0.005
Manganese, Dissolved	SW846-6010	mg/L	0.231	0.005	5.50	0.005
Manganese	SW846-6010	mg/L	0.997	0.005	5.80	0.005
Nitrate	EPA 300/SW9056	mg/L	0.43	0.05	0.10	0.05
Sulfate	EPA 300/SW9056	mg/L	44.1	1.0	57.2	10.0
Total Organic Carbon	EPA 415.1	mg/L	1.4	1.0	2.0	1.0

**YORK**

<b>Client Sample ID</b>			<b>MW-11</b>		<b>MW-12</b>	
<b>York Sample ID</b>			08100475-09		08100475-10	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b> <th></th>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
<b>Volatiles, 8260 List</b>	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	50
1,1,1-Trichloroethane			Not detected	5.0	Not detected	50
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	50
1,1,2-Trichloroethane			Not detected	5.0	Not detected	50
1,1-Dichloroethane			Not detected	5.0	Not detected	50
1,1-Dichloroethylene			Not detected	5.0	Not detected	50
1,1-Dichloropropylene			Not detected	5.0	Not detected	50
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	50
1,2,3-Trichloropropane			Not detected	5.0	Not detected	50
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	50
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	50
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	50
1,2-Dibromoethane			Not detected	5.0	Not detected	50
1,2-Dichlorobenzene			Not detected	5.0	Not detected	50
1,2-Dichloroethane			Not detected	5.0	Not detected	50
1,2-Dichloroethylene (Total)			140(cis-)	5.0	620(cis-)	50
1,2-Dichloropropane			Not detected	5.0	Not detected	50
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	50
1,3-Dichlorobenzene			Not detected	5.0	Not detected	50
1,3-Dichloropropane			Not detected	5.0	Not detected	50
1,4-Dichlorobenzene			Not detected	5.0	Not detected	50
2,2-Dichloropropane			Not detected	5.0	Not detected	50
2-Chlorotoluene			Not detected	5.0	Not detected	50
4-Chlorotoluene			Not detected	5.0	Not detected	50
Benzene			Not detected	5.0	Not detected	50
Bromobenzene			Not detected	5.0	Not detected	50
Bromochloromethane			Not detected	5.0	Not detected	50
Bromodichloromethane			Not detected	5.0	Not detected	50
Bromoform			Not detected	5.0	Not detected	50
Bromomethane			Not detected	5.0	Not detected	50
Carbon tetrachloride			Not detected	5.0	Not detected	50
Chlorobenzene			Not detected	5.0	Not detected	50
Chloroethane			Not detected	5.0	Not detected	50
Chloroform			Not detected	5.0	Not detected	50
Chloromethane			Not detected	5.0	Not detected	50
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	50
Dibromochloromethane			Not detected	5.0	Not detected	50
Dibromomethane			Not detected	5.0	Not detected	50
Dichlorodifluoromethane			Not detected	5.0	Not detected	50
Ethylbenzene			Not detected	5.0	Not detected	50
Hexachlorobutadiene			Not detected	5.0	Not detected	50
Isopropylbenzene			Not detected	5.0	Not detected	50
Methylene chloride			Not detected	5.0	Not detected	50
MTBE			Not detected	5.0	Not detected	50
Naphthalene			Not detected	5.0	Not detected	50
n-Butylbenzene			Not detected	5.0	Not detected	50
n-Propylbenzene			Not detected	5.0	Not detected	50
o-Xylene			Not detected	5.0	Not detected	50
p- & m-Xylenes			Not detected	5.0	Not detected	50
p-Isopropyltoluene			Not detected	5.0	Not detected	50

**YORK**

<b>Client Sample ID</b>			<b>MW-11</b>		<b>MW-12</b>	
<b>York Sample ID</b>			<b>08100475-09</b>		<b>08100475-10</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
sec-Butylbenzene			Not detected	5.0	Not detected	50
Styrene			Not detected	5.0	Not detected	50
tert-Butylbenzene			Not detected	5.0	Not detected	50
Tetrachloroethylene			14	5.0	97	50
Toluene			Not detected	5.0	Not detected	50
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	50
Trichloroethylene			6	5.0	Not detected	50
Trichlorofluoromethane			Not detected	5.0	Not detected	50
Vinyl chloride			17	5.0	Not detected	50

<b>Client Sample ID</b>			<b>MW-11</b>		<b>MW-12</b>	
<b>York Sample ID</b>			<b>08091030-09</b>		<b>08091030-10</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
<b>Gases, Target List</b>	GC/FID	ppb	---	---	---	---
Ethane			Not detected	10.0	Not detected	10.0
Ethene (Ethylene)			Not detected	10.0	Not detected	10.0
Methane			Not detected	10.0	Not detected	10.0
Carbon Dioxide	SM	mg/L	51.7	1.0	34.4	1.0
Iron, Dissolved	SW846-6010	mg/L	0.005	0.005	0.048	0.005
Iron	SW846-6010	mg/L	6.76	0.005	4.90	0.005
Manganese, Dissolved	SW846-6010	mg/L	5.51	0.005	8.85	0.005
Manganese	SW846-6010	mg/L	11.4	0.005	11.2	0.005
Nitrate	EPA 300/SW9056	mg/L	Not detected	0.05	Not detected	0.05
Sulfate	EPA 300/SW9056	mg/L	40.1	1.0	46.0	1.0
Total Organic Carbon	EPA 415.1	mg/L	2.2	1.0	1.7	1.0

<b>Client Sample ID</b>			<b>BR-1</b>		<b>BR-2</b>	
<b>York Sample ID</b>			<b>08100475-11</b>		<b>08100475-12</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
<b>Volatiles, 8260 List</b>	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0

**YORK**

<b>Client Sample ID</b>			<b>BR-1</b>		<b>BR-2</b>	
<b>York Sample ID</b>			<b>08100475-11</b>		<b>08100475-12</b>	
<b>Matrix</b>			<b>WATER</b>		<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
1,2-Dichloroethylene (Total)			6(cis-)	5.0	65(cis-)	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
MTBE			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	110	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	11	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0

**YORK**

<b>Client Sample ID</b>			<b>BR-4</b>	
<b>York Sample ID</b>			<b>08100475-13</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
<b>Volatiles, 8260 List</b>	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0
1,1-Dichloroethane			Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0
1,2-Dibromoethane			Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0
1,2-Dichloropropane			Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0
1,3-Dichloropropane			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0
2,2-Dichloropropane			Not detected	5.0
2-Chlorotoluene			Not detected	5.0
4-Chlorotoluene			Not detected	5.0
Benzene			Not detected	5.0
Bromobenzene			Not detected	5.0
Bromochloromethane			Not detected	5.0
Bromodichloromethane			Not detected	5.0
Bromoform			Not detected	5.0
Bromomethane			Not detected	5.0
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroethane			Not detected	5.0
Chloroform			Not detected	5.0
Chloromethane			Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0
Dibromochloromethane			Not detected	5.0
Dibromomethane			Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0
Ethylbenzene			Not detected	5.0
Hexachlorobutadiene			Not detected	5.0
Isopropylbenzene			Not detected	5.0
Methylene chloride			Not detected	5.0
MTBE			Not detected	5.0
Naphthalene			Not detected	5.0
n-Butylbenzene			Not detected	5.0
n-Propylbenzene			Not detected	5.0
o-Xylene			Not detected	5.0
p- & m-Xylenes			Not detected	5.0

**YORK**

<b>Client Sample ID</b>			<b>BR-4</b>	
<b>York Sample ID</b>			<b>08100475-13</b>	
<b>Matrix</b>			<b>WATER</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>
p-Isopropyltoluene			Not detected	5.0
sec-Butylbenzene			Not detected	5.0
Styrene			Not detected	5.0
tert-Butylbenzene			Not detected	5.0
Tetrachloroethylene			Not detected	5.0
Toluene			Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0
Trichloroethylene			Not detected	5.0
Trichlorofluoromethane			Not detected	5.0
Vinyl chloride			Not detected	5.0

<b>Client Sample ID</b>			<b>SV-1</b>		<b>SV-2</b>	
<b>York Sample ID</b>			<b>08091030-14</b>		<b>08091030-15</b>	
<b>Matrix</b>			<b>AIR</b>		<b>AIR</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
<b>Volatiles, TO-15 List</b>	EPA TO15	ppbv	---	---	---	---
1,1,1-Trichloroethane			Not detected	2.2	Not detected	2.1
1,1,2,2-tetrachloroethane			Not detected	2.2	Not detected	2.1
1,1,2-Trichloroethane			Not detected	2.2	Not detected	2.1
1,1-Dichloroethane			Not detected	2.2	Not detected	2.1
1,1-Dichloroethylene			Not detected	2.2	Not detected	2.1
1,2,4-Trichlorobenzene			Not detected	2.2	Not detected	2.1
1,2,4-Trimethylbenzene			Not detected	2.2	Not detected	2.1
1,2-Dibromoethane			Not detected	2.2	Not detected	2.1
1,2-Dichlorobenzene			Not detected	2.2	Not detected	2.1
1,2-Dichloroethane			Not detected	2.2	Not detected	2.1
1,2-Dichloropropane			Not detected	2.2	Not detected	2.1
1,2-Dichlorotetrafluoroethane			Not detected	2.2	Not detected	2.1
1,3,5-Trimethylbenzene			Not detected	2.2	Not detected	2.1
1,3-Butadiene			Not detected	2.2	Not detected	2.1
1,3-Dichlorobenzene			Not detected	2.2	Not detected	2.1
1,4-Dichlorobenzene			Not detected	2.2	Not detected	2.1
2,2,4-Trimethylpentane			2.6	2.2	3.1	2.1
4-Ethyltoluene			Not detected	2.2	Not detected	2.1
Acetone		15	2.2	15	2.1	
Allyl Chloride			Not detected	2.2	Not detected	2.1
Benzene			Not detected	2.2	Not detected	2.1
Bromodichloromethane			Not detected	2.2	Not detected	2.1
Bromoform			Not detected	2.2	Not detected	2.1
Bromomethane			Not detected	2.2	Not detected	2.1
Carbon Disulfide			Not detected	2.2	Not detected	2.1
Carbon Tetrachloride			Not detected	2.2	Not detected	2.1
Chlorobenzene			Not detected	2.2	Not detected	2.1
Chloroethane			Not detected	2.2	Not detected	2.1
Chloroform			Not detected	2.2	Not detected	2.1
Chloromethane			Not detected	2.2	Not detected	2.1
cis-1,2-Dichloroethylene			58	2.2	17	2.1
cis-1,3-Dichloropropylene			Not detected	2.2	Not detected	2.1
Cyclohexane			Not detected	2.2	Not detected	2.1

**YORK**

<b>Client Sample ID</b>			<b>SV-1</b>		<b>SV-2</b>	
<b>York Sample ID</b>			<b>08091030-14</b>		<b>08091030-15</b>	
<b>Matrix</b>			<b>AIR</b>		<b>AIR</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
Dibromochloromethane			Not detected	2.2	Not detected	2.1
Dichlorodifluoromethane			Not detected	2.2	Not detected	2.1
Ethyl acetate			Not detected	2.2	Not detected	2.1
Ethylbenzene			Not detected	2.2	Not detected	2.1
Freon-113			Not detected	2.2	Not detected	2.1
Hexachloro-1,3-Butadiene			Not detected	2.2	Not detected	2.1
Isopropanol			Not detected	2.2	Not detected	2.1
Methyl Ethyl ketone			Not detected	2.2	Not detected	2.1
Methyl Isobutyl ketone			Not detected	2.2	Not detected	2.1
Methylene Chloride			Not detected	2.2	Not detected	2.1
MTBE			Not detected	2.2	Not detected	2.1
n-Heptane			Not detected	2.2	Not detected	2.1
n-Hexane			Not detected	2.2	Not detected	2.1
o-Xylene			Not detected	2.2	Not detected	2.1
p- & m-Xylenes			Not detected	2.2	Not detected	2.1
Propylene			Not detected	2.2	Not detected	2.1
Styrene			Not detected	2.2	Not detected	2.1
Tetrachloroethylene			2.4	2.2	310	2.1
Tetrahydrofuran			Not detected	2.2	Not detected	2.1
Toluene			2.6	2.2	3.1	2.1
trans-1,2-Dichloroethylene			Not detected	2.2	Not detected	2.1
trans-1,3-Dichloropropylene			Not detected	2.2	Not detected	2.1
Trichloroethylene			9.1	2.2	44	2.1
Trichlorofluoromethane			Not detected	2.2	12	2.1
Vinyl acetate			Not detected	2.2	Not detected	2.1
Vinyl Bromide			Not detected	2.2	Not detected	2.1
Vinyl Chloride			920	2.2	70	2.1
<b>Volatiles, TO-15 List</b>	<b>EPA TO15</b>	<b>ug/cu.m.</b>	---	---	---	---
1,1,1-Trichloroethane			Not detected	12.0	Not detected	11.9
1,1,2,2-tetrachloroethane			Not detected	15.2	Not detected	15.0
1,1,2-Trichloroethane			Not detected	12.0	Not detected	11.9
1,1-Dichloroethane			Not detected	8.90	Not detected	8.81
1,1-Dichloroethylene			Not detected	8.79	Not detected	8.70
1,2,4-Trichlorobenzene			Not detected	18.0	Not detected	17.8
1,2,4-Trimethylbenzene			Not detected	10.9	Not detected	10.7
1,2-Dibromoethane			Not detected	16.9	Not detected	16.8
1,2-Dichlorobenzene			Not detected	13.2	Not detected	13.1
1,2-Dichloroethane			Not detected	8.90	Not detected	8.81
1,2-Dichloropropane			Not detected	10.2	Not detected	10.1
1,2-Dichlorotetrafluoroethane			Not detected	10.9	Not detected	10.7
1,3,5-Trimethylbenzene			Not detected	10.9	Not detected	10.7
1,3-Butadiene			Not detected	4.88	Not detected	4.83
1,3-Dichlorobenzene			Not detected	13.2	Not detected	13.1
1,4-Dichlorobenzene			Not detected	13.2	Not detected	13.1
2,2,4-Trimethylpentane			12	10.3	14	10.2
4-Ethyltoluene			Not detected	10.9	Not detected	10.7
Acetone			36	5.21	36	5.16
Allyl Chloride			Not detected	6.94	Not detected	6.87
Benzene			Not detected	7.05	Not detected	6.98
Bromodichloromethane			Not detected	14.8	Not detected	14.6
Bromoform			Not detected	22.8	Not detected	22.6

**YORK**

<b>Client Sample ID</b>			<b>SV-1</b>		<b>SV-2</b>	
<b>York Sample ID</b>			<b>08091030-14</b>		<b>08091030-15</b>	
<b>Matrix</b>			<b>AIR</b>		<b>AIR</b>	
<b>Parameter</b>	<b>Method</b>	<b>Units</b>	<b>Results</b>	<b>MDL</b>	<b>Results</b>	<b>MDL</b>
Bromomethane			Not detected	8.57	Not detected	8.48
Carbon Disulfide			Not detected	6.84	Not detected	6.77
Carbon Tetrachloride			Not detected	13.9	Not detected	13.7
Chlorobenzene			Not detected	10.2	Not detected	10.1
Chloroethane			Not detected	5.86	Not detected	5.80
Chloroform			Not detected	10.7	Not detected	10.6
Chloromethane			Not detected	4.56	Not detected	4.51
cis-1,2-Dichloroethylene			230	8.79	69	8.70
cis-1,3-Dichloropropylene			Not detected	10.7	Not detected	10.6
Cyclohexane			Not detected	7.60	Not detected	7.52
Dibromochloromethane			Not detected	18.8	Not detected	18.6
Dichlorodifluoromethane			Not detected	11.0	Not detected	10.8
Ethyl acetate			Not detected	8.14	Not detected	8.06
Ethylbenzene			Not detected	9.55	Not detected	9.45
Freon-113			Not detected	16.9	Not detected	16.8
Hexachloro-1,3-Butadiene			Not detected	15.4	Not detected	15.3
Isopropanol			Not detected	5.43	Not detected	5.37
Methyl Ethyl ketone			Not detected	6.51	Not detected	6.44
Methyl Isobutyl ketone			Not detected	9.01	Not detected	8.91
Methylene Chloride			Not detected	7.70	Not detected	7.63
MTBE			Not detected	7.92	Not detected	7.84
n-Heptane			Not detected	9.01	Not detected	8.91
n-Hexane			Not detected	7.81	Not detected	7.73
o-Xylene			Not detected	9.55	Not detected	9.45
p- & m-Xylenes			Not detected	9.55	Not detected	9.45
Propylene			Not detected	3.80	Not detected	3.76
Styrene			Not detected	9.44	Not detected	9.34
Tetrachloroethylene			17	15.0	2100	14.8
Tetrahydrofuran			Not detected	6.51	Not detected	6.44
Toluene			10	8.35	Not detected	8.27
trans-1,2-Dichloroethylene			Not detected	8.79	Not detected	8.70
trans-1,3-Dichloropropylene			Not detected	11.0	Not detected	10.8
Trichloroethylene			50	11.8	240	11.7
Trichlorofluoromethane			Not detected	12.4	69	12.2
Vinyl acetate			Not detected	7.81	Not detected	7.73
Vinyl Bromide			Not detected	9.66	Not detected	9.56
Vinyl Chloride			2400	5.64	180	5.58

**Units Key:**

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

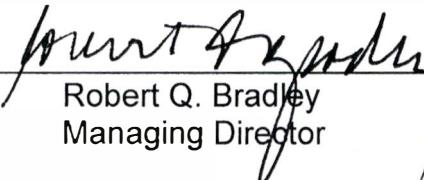
**YORK**

Report Date: 10/22/2008  
Client Project ID: New Paltz Plaza / 95141  
York Project No.: 08100475

**Notes for York Project No. 08100475**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:

  
Robert Q. Bradley  
Managing Director

Date: 10/22/2008

**YORK**

08100475

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**YORK**

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DRIVE STRATFORD, CT 06615  
(203) 325-1371 FAX (203) 357-0166**Field Chain-of-Custody Record**

08091030

Company Name	Report To:	Invoice To:	Project ID/No.	Samples Collected By (Signature)	
Alpha Geoscience 679 Plank Rd Clifton Park, NY 12065	Tom Johnson (518)348-6995 tjohnson@alphageo.com	Tom Johnson <u>same</u>	New Paltz Plaza / 95141		
Sample No.	Location/ID	Date Sampled	Sample Matrix	Analyses Requested	Container Description(s)
			Water Soi Air OTHER		
	MW-1	9/25/08	X	STARS 8260 VOCs	2-40mL VOAs
	MW-2		X	STARS 8260 VOCs Dissolved + Total Fe+Mn, TOC, NO <sub>3</sub> , SO <sub>4</sub> , CO <sub>2</sub> , methane/ethene/ethane	4-40mL VOAs, 1-500mL plastic, 3-250mL plastic
	MW-4		X	STARS 8260 VOCs	2-40mL VOAs
	MW-5		X	↓	↓
	MW-6		X	STARS 8260 VOCs, Dissolved + Total Fe+Mn, TOC, NO <sub>3</sub> , SO <sub>4</sub> , CO <sub>2</sub> , methane/ethane/ethene	4-40mL VOAs, 3-250mL plastic, 1-500mL plastic
	MW-7		X	STARS 8260 VOCs	2-40mL VOAs
	MW-9		X	STARS 8260 VOCs, Dissolved + Total Fe+Mn, TOC, NO <sub>3</sub> , SO <sub>4</sub> , CO <sub>2</sub> , methane/ethane/ethene	4-40mL VOAs, 3-250mL plastic, 1-500mL plastic
	MW-10		X	↓	↓
	MW-11		X	↓	↓
	MW-12	↓	X	↓	↓

**Chain-of-Custody Record**

Bottles Relinquished from Lab by	Date/Time		9/26/08 8:30	Martin Rowan	9-26-08
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Sample Received by	8:30 AM
Bottles Received in LAB by	Date/Time	Sample Relinquished by	Date/Time	Sample Received in LAB by	9-26-08 1710
Comments/Special Instructions	Turn-Around Time				

3. 9°C

 Standard     RUSH(define)



120 RESEARCH DRIVE STRATFORD, CT 06615  
(203) 325-1371 FAX (203) 357-0166

## ***Field Chain-of-Custody Record***

08100475

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08091030

### **Chain-of-Custody Record**

  
Sample Relinquished by

9/26/08 8:33

Martin Renn

9-26-08  
8:30 AM

Date/Time

Date/Time

**Bottles Relinquished from Lab by**

**Date/Time**

~~Sample Relinquished by~~

Date/Time

**Bottles Received in Field by**

## Date/Time

**Sample Relinquished by**

## Date/Time

**Sample Received in LAB by**

Date/Time

**Comments/Special Instructions**

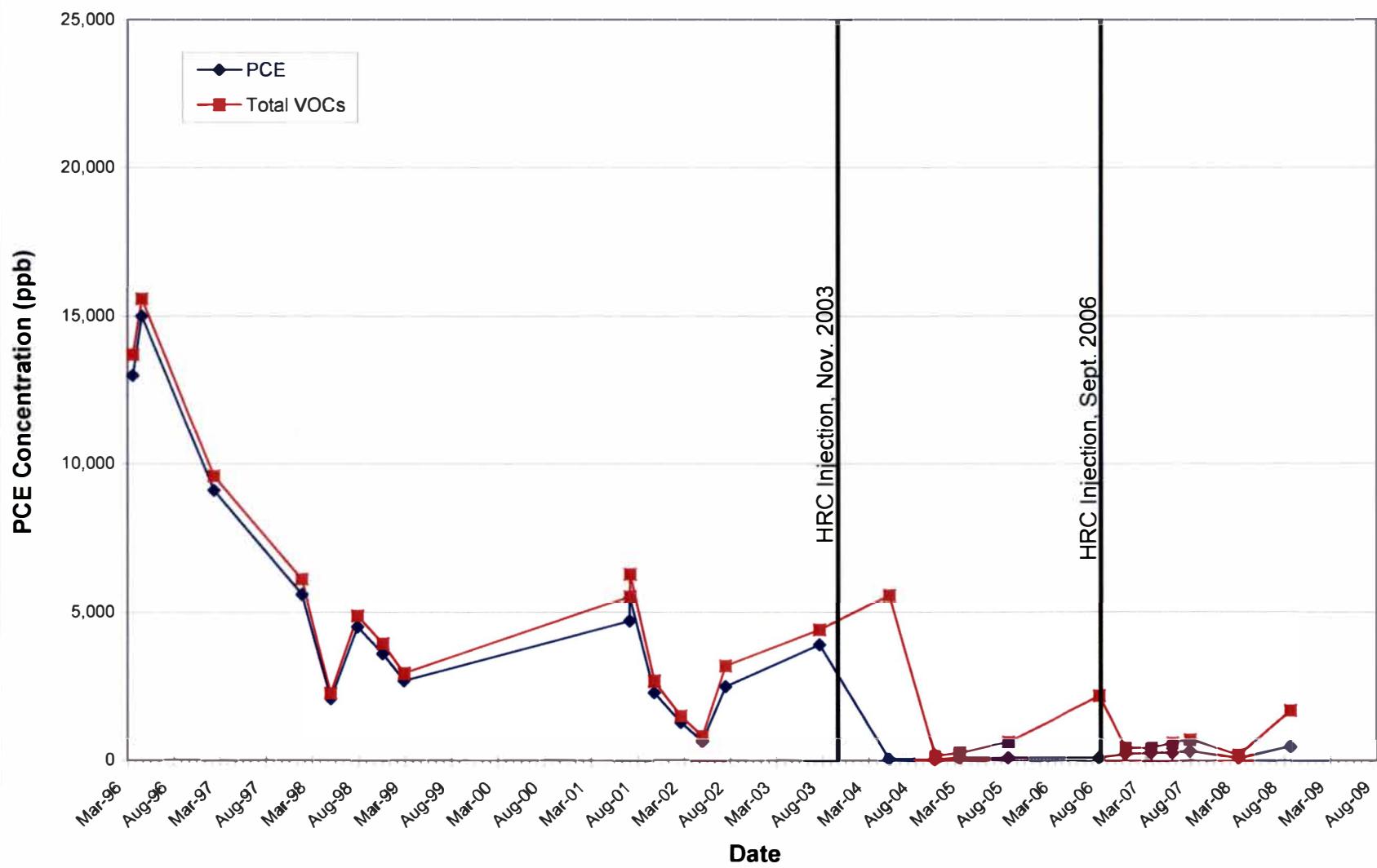
3, 9°C

### **Turn-Around Time**

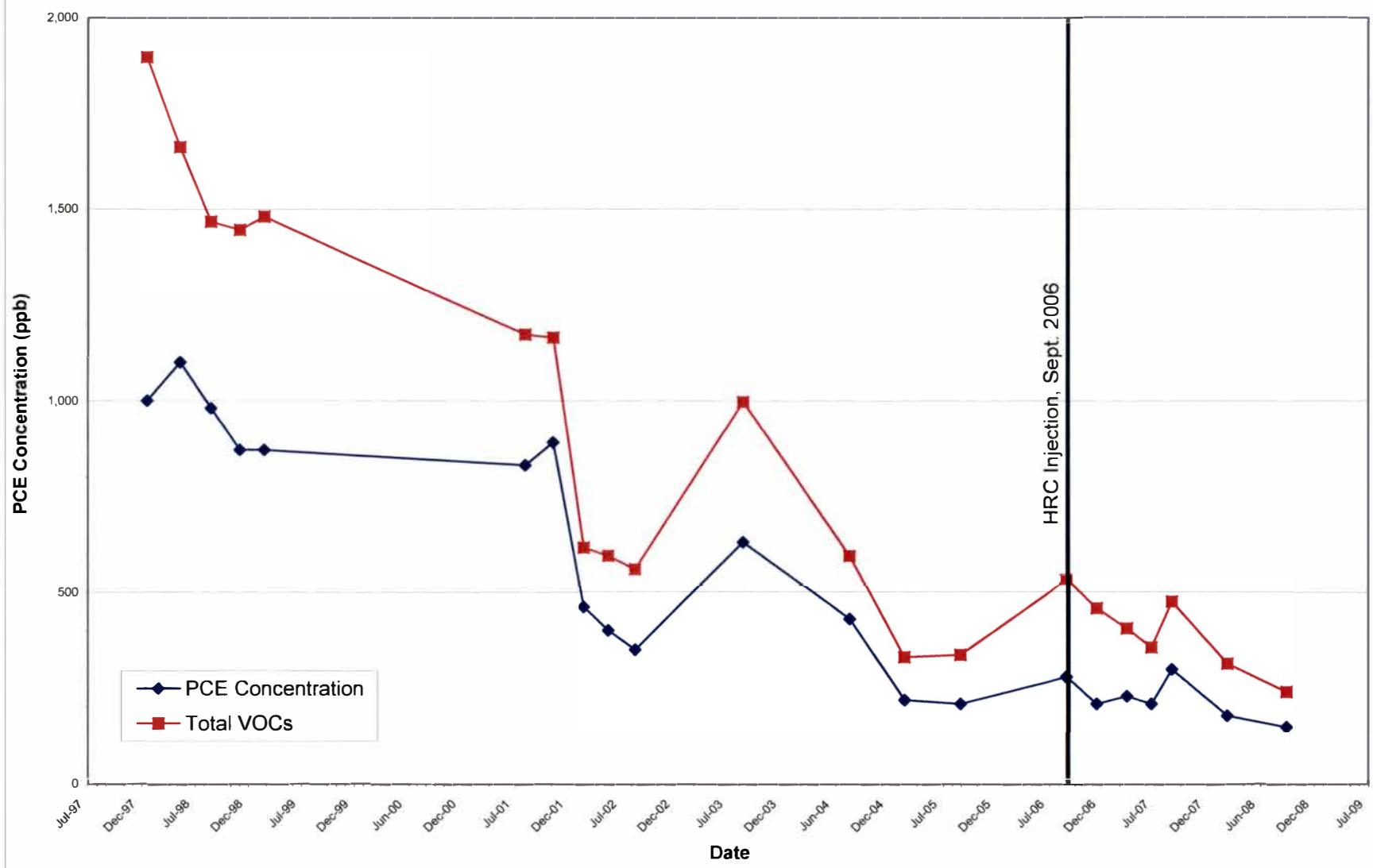
X Standard RUSH(define)

**APPENDIX B**  
**PCE AND TOTAL VOC CONCENTRATION GRAPHS**

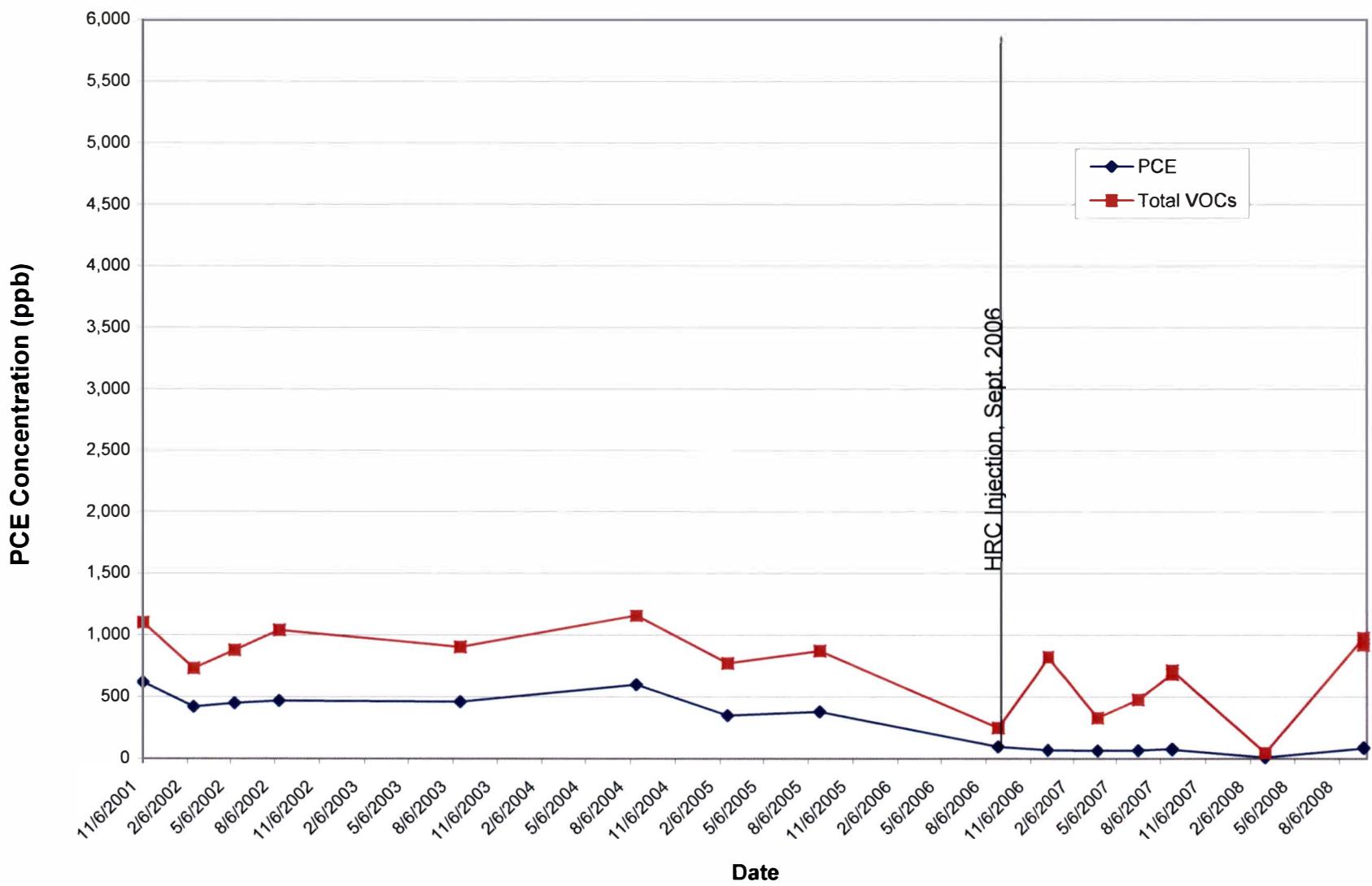
## Well MW-2 Total VOC & PCE Concentrations



## Well MW-9 Total VOCs & PCE Concentration

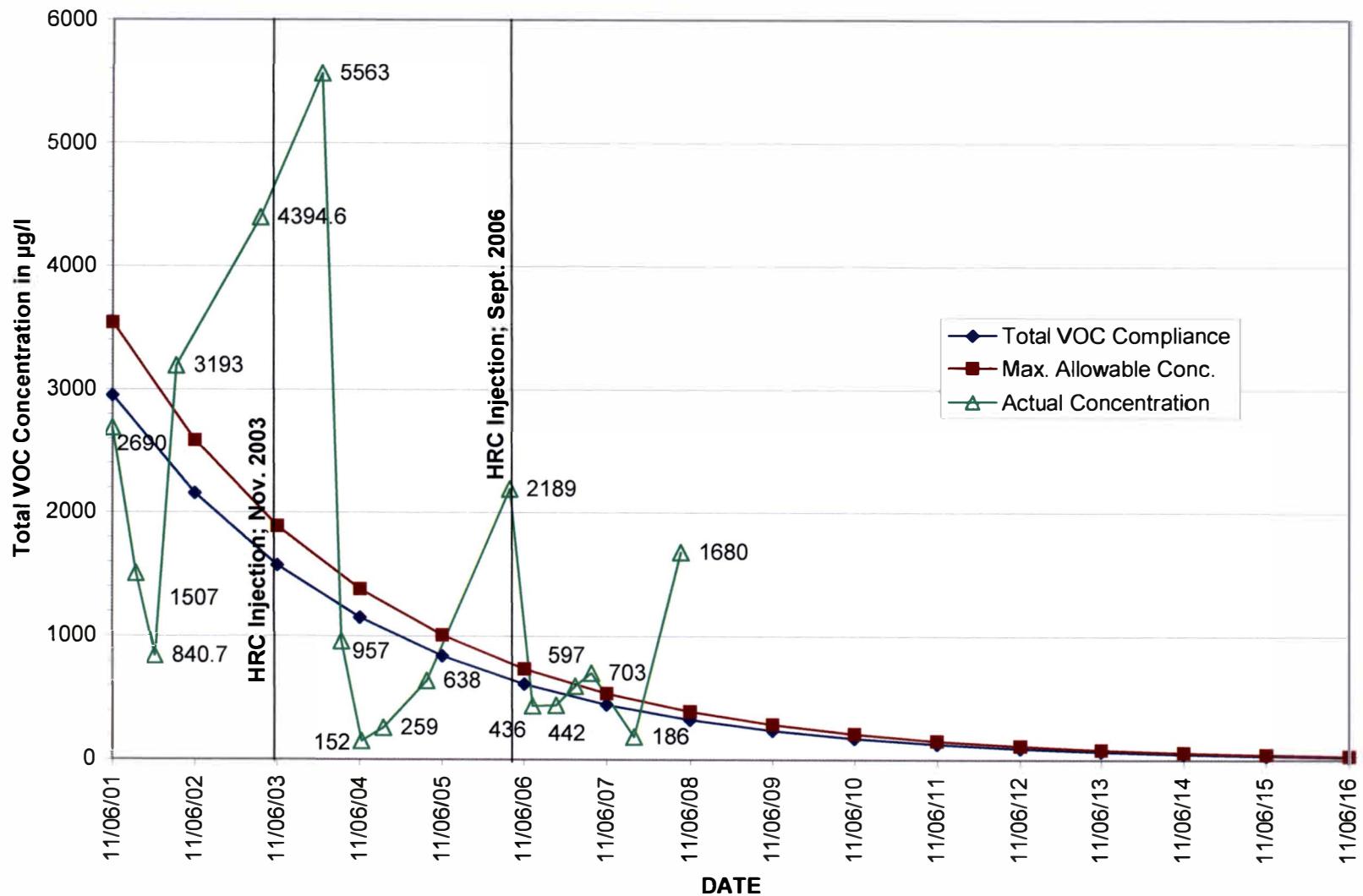


## Well MW-10 Total VOCs & PCE Concentrations

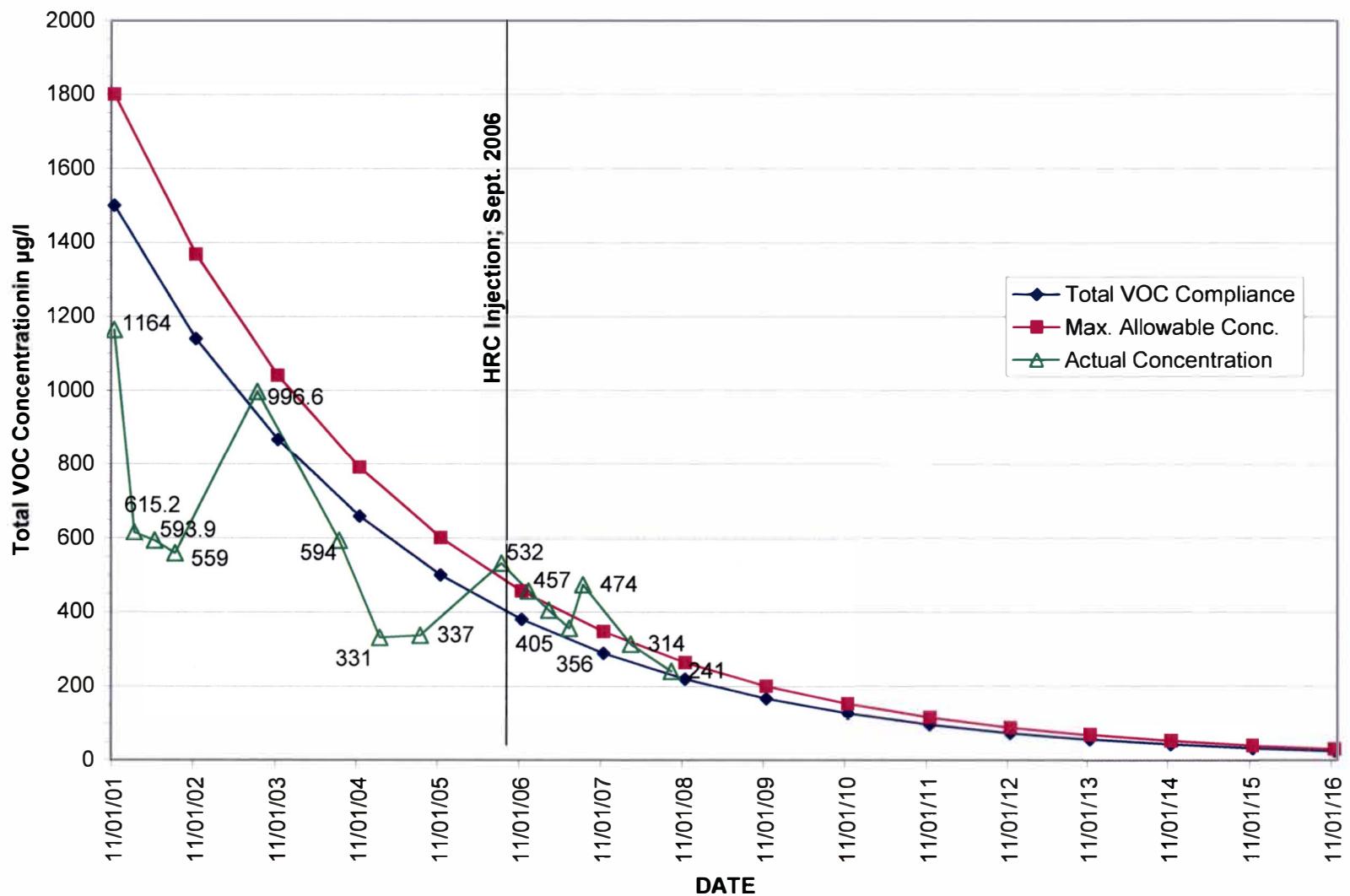


**APPENDIX C**  
**COMPLIANCE GRAPHS**

## Well MW-2 Compliance: Total VOCs



## Well MW-9 Compliance: Total VOCs



### Well MW-10 Compliance: Total VOCs

